

U.S. Department of Transportation

ISSUE: 98-04

Federal Aviation Administration





January 18, 1998 - January 24, 1998

Summary

GENERAL AVIATION, ZAC-327

You can improve Air Safety by reporting the problem when you see it!

SECTION

- I Significant Occurence Report
- **II Domestic Service Difficulty Report**
- III International Service Difficulty Report
- IV SDR Totals by District Office
- V Index By Aircraft Make and Model
- VI Joint Aircraft System/Component Code Table



SDR SUMMARY

General Aviation, ZAC-327



This summary includes domestic (United States) Service Difficulty Reports (SDRs) entered into the data base for aircraft weighing 12,500 lbs. and below. It also includes reports on aeronautical products (engines, propellers, and components), and all helicopters. A separate section for International SDRs for aircraft weighing 12,500 lbs. and under has also been included. Under a data exchange agreement, International SDRs are submitted to the FAA by the Civil Aviation Authority of other countries (currently, Canada - CAN, and Australia - AUS). All reports are sorted by aircraft make, model group (basic model), and Joint Aircraft System/Component (JASC) code. Within each aircraft model group, the specific model shown may vary, but similar types of reports will be grouped together and listed in ascending order by their JASC code. Each field contains all information submitted to the FAA. Some fields are not included in order to make the summary easier to read. Additional information may be obtained by referring to the "operator control number." Send your request to the Aviation Data Systems Branch, AFS-620 at the address or phone below.

The Regulatory Support Division (AFS-600) has established a "HomePage" on the Internet through which the same information is available. There is a large quantity of other information available through the AFS-600 HomePage such as the most current SDR system codes (i.e., Joint Aircraft System\Component Codes). The SDR Question and Answer Section of the Summary will also be transferred to the AFS-600 HomePage to simplify the process of preparing the SDR Summaries in the PDF format each week. There are "hot buttons" to take you to other locations and sites where FAA Flight Standards Service Information is available. The AFS-600 "HomePage" address is:

http://www.mmac.jccbi.gov/afs/afs600

"The Service Difficulty Reports in this publication are derived from unverified information submitted by the aviation community without FAA verification for accuracy. The number of SDRs submitted is not an indication of the mechanical reliability or fitness of an airline or individual operator, and the information should not be used as such."

Comments are welcomed and may be directed to:

Federal Aviation Administration Aviation Data Systems Branch, AFS-620 P.O. Box 25082 Oklahoma City, OK 73125-5029

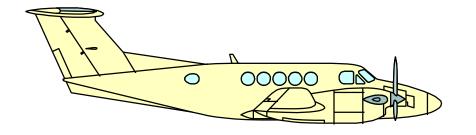
Phone: (405) 954-4171, Fax: (405) 954-4748

Your continued participation is essential and is an integral part of ensuring aviation safety. Thank you for supporting the Service Difficulty Program! If you have any questions regarding this special notice you can contact John Jackson at (405) 954-6486, or Jim Gillespie at (405) 954-1141, or Blake McDonald at (405) 954-0307 in the Aviation Systems Branch (AFS-620). Their E-mail addresses are:

john_e_jackson@mmacmail.jccbi.gov

james_gillespie@mmacmail.jccbi.gov

blake_mcdonald@mmacmail.jccbi.gov



SIGNIFICANT OCCURRENCE REPORT





THE SIGNIFICANT OCCURRENCE REPORT



The Significant Occurrence Report is a compilation all of the star bordered reports that appear in the General Aviation Service Difficulty Report (SDR) Summary, ZAC-327. The Significant Occurrence Report is used to highlight industry problem areas to field inspectors and the aviation public.

Limited analysis is performed by the Aviation Data Systems Branch, AFS-620 during the preparation of the "Significant Occurrence Report", which is generated each week and is included in the front of the Air Carrier SDR Summary. Significant Reports are hand selected by AFS-620's inspectors based on the individual merit of each report. The criteria for selection includes, but is not limited to, items that indicate high failure rates; items related to accidents or incidents; or design or maintenance failures which may affect the safe operation of the aircraft.

In some cases, this limited analysis of SDR data leads to the preparation of information bulletins which are routed to the appropriate product certification office for further investigation of the problem. The end result may be the issuance of an airworthiness directive (AD) by the Aircraft Certification Service (AIR) if warranted.

The Significant Occurrence Report (section I) of the weekly SDR Summary is not intended to be a summary of all significant events and should not be used as such. We recommend that you review further the applicable sections of the SDR summary that may be of interest.

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6720		BELL				BELLCRANK	MISMANUFACTURED		12/17/97
ZV1R		206L1				2060017631	ANTI TORQUE		98ZZZX289
****	ROD ASSY P/N 206		NTACTING. FOUND				OOTING FOUND THAT BELLC MACHINED IN IT. FOUND 2 O		
3230	5332A	CESSNA				IDLER BELLCRANK	FAILED	4130	1/1/98
	35532	310				0842102	NLG RETRACT		98ZZZX229
****	FEET. THE LANDI EFFORTS ON PILO LANDING GEAR R	NG GEAR UP INDICAT T'S PART TO EXTEND I	ON NEVER ILLUMIN NOSE GEAR UNSUCC THAT CONTROLS NO	ATED. PILOT CHECK ESSFUL. INVESTIGA SE GEAR. SPECIFIC	KED TIP-TANK MIRR ATION REVEALED TH LOCATION OF THIS	ORS AND CONFIRMED TH IE IDLER BELLCRANK, PN	UMP AND AT THE SAME TIM E NOSE GEAR WAS ONLY PA 0842102, HAD FAILED. IDLE ORBOARD FWD OF PILOT'S S	RTIALLY R BELLCI	RETRACTED. ALL RANK IS PART OF
5711	42752	PIPER				RIB	BROKEN		12/17/97
	347450172	PA34200				7850002	WS 69.24		98ZZZX231
****	LANDING, ALTHO		ORTED. AD 73-11-02	REFERS TO THIS PRO			MITTER BELIEVES IT WAS C S S/N ACFT. PIPER KIT 760-690		
3230	811DA	PIPER				RETRACT LINK	CRACKED	4890	12/23/97
JGVR	428001029	PA42				423072	LT MLG		98ZZZX235
****						M LINK. LEFT LINK WAS F URING THIS INSPECTION.	OUND CRACKED. TIME SINC LANDINGS, 5,062.	CE LAST I	NSPECTION, 107

(End of GENERAL AVIATION SIGNIFICANT OCCURRENCE REPORT)

Run Date: 30-Jan-98

FEDERAL AVIATION ADMINISTRATION SIGNIFICANT OCCURRENCE REPORT INDEX

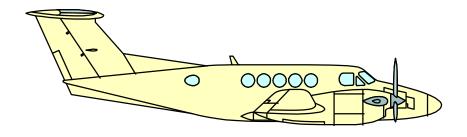
Showing Specific Part Numbers and Aircraft Model by Year

FOR THE PERIOD OF: 1/18/98 To 1/24/98

PART NUMBER		<u>-</u>						YEA	ıR					
PART NAME	ACFT MODEL	TOTAL	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
0842102														
BELLCRANK	310Q	1	-	-	-	-	-	-	-	-	1	-	-	-
IDLER BELLCRANK	310	1												1
TOTAL of # 0842102		2									1			1
2060017631														
BELLCRANK	206L1	2	-	-	-	-	-	1	-	-	-	-	-	1
TOTAL of # 20600176	631	2						1						1
423072														
RETRACT LINK	PA42	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # 423072 -		1											_	1
5642920503														
SUPPORT ASSY	DC8*	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # 56429205	503	1												1
7850002														
RIB	PA34200	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL of # 7850002		1												1
CF6RHFRAF1														
THRUST REVERSER	A300B4203	1												1
TOTAL of # CF6RHF	FRAF1	1	-	-	-	_	-	-	-	-	_	_	-	1
RA8987														
GASKET	PA31350	1	-	-	-	-	-	-	-	-	-	1	-	-
	unknown													1
		1												
TOTAL of # RA8987		2	-	-	-	-	-	-	-	-	-	1	-	1
TOTAL for ALL (9) PART		10		-	_	-		1			1	1	-	7
END OF SIGNIFICANT OCC	URRENCE REPORT INDEX													



DOMESTIC SERVICE DIFFICULTY REPORT



ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2810	182DL	CESSNA				SEAL	LEAK		5/15/96
	18264512	182P					TANK CAP		98ZZZX226
	SEALS FOR PLAST TANK IF SEAL IN		JPPLIED WITH AIRCE	RAFT ARE NO LONGE	R AVAILABLE. DESI	GN OF FUEL TANK OPENI	NGS (FLUSH MOUNT) ALLO	WS WATE	R TO ENTER FUEL
3222	61301	CESSNA				CYLINDER ASSY	FAILED	5000	12/9/97
	18504144	A185F				6960311	NLG STRUT		98ZZZX233
							CHMENT BRACKETS MAY F SHOWED NO RUST OR OTH		
3240	727FX	CESSNA			PARKERHANFIN	ANCHOR BOLT	MISMANUFACTURED	795	12/18/97
	208B0468	208B			30182	6919	BRAKE CALIPER		98ZZZX234
		PINS (ANCHOR BOLTS) FACTORY. RETURNED				ALIPERS. THIS WAS A NE	EW BRAKE ASSEMBLY INST	ALLED ON	A NEW AIRCRAFT
3230	5332A	CESSNA				IDLER BELLCRANK	FAILED	4130	1/1/98
	35532	310				0842102	NLG RETRACT		98ZZZX229
510		E FROM GEARBOX TO CESSNA				PIVOT ARM	ORBOARD FWD OF PILOT'S BROKEN		1/8/98
OWSR	414A0853	414A				08127358	PILOT SEAT	3001	98ZZZX290
JWSK	PILOT REPORTED						T WAS REMOVED, BROKEN	SECTION A	
612	101RA	EMB				WIRE TERMINAL	BROKEN	16908	12/16/97
UHA	100220	EMB110P1			1107822117	13873	LT ENG OUTBOARD		98ZZZX217
		FINAL, LEFT FIRE WA NAL END SYSTEM. OF		D. MAINTENANCE IN	NSPECTED AND FOU	ND BROKEN WIRE AT TE	RMINAL END AT OUTBOAR	D FORWAF	RD THERMOCOUPLE
620	6KE	MTSBSI				WINDOW	CRACKED	5305	1/8/98
	766SA	MU2B60				010A31870	LT FWD CABIN		98ZZZX238
	WAS MADE. UPON WINDOW WAS RE	N INVESTIGATION, THI	E LEFT FORWARD CA WINDOW AND ALSO	ABIN WINDOW WAS I	FOUND CRACKED AC PART NUMBERED WI	CROSS THE BOTTOM. THI INDWS ON THE LEFT SIDI	TO A LOWER ALTITUDE AN E AREA OF THE CRACK ALS E DUE TO WINDOWS BEING	O HAD SO	ME CRAZING. THE
711	42752	PIPER				FALSE SPAR	BROKEN		12/17/97
	347450172	PA34200				6707900	WS 69.24		98ZZZX232
	LANDING, ALTHO		ORTED. AD 73-11-02	REFERS TO THIS PRO			BMITTER BELIEVES IT WAS S S/N ACFT. PIPER KIT 760-6		

DOMESTI	C SERVICE DIFFI	CULTY REPORT S	SUMMARY - AIRO	CRAFT (cont'd)			<u>1/18/98 To</u>	1/24/98 ISS	SUE: 98-04	ZAC-327
ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DAT OPER COM	
5711	42752	PIPER				RIB	BROKEN		12/17/97	
	347450172	PA34200				7850002	WS 69.24		98ZZZX231	
****	LANDING, ALTHOU		ORTED. AD 73-11-02 R	EFERS TO THIS PRO			BMITTER BELIEVES IT WA IS S/N ACFT. PIPER KIT 76			
3230	811DA	PIPER				RETRACT LINK	CRACKED	4890	12/23/97	
JGVR	428001029	PA42				423072	LT MLG		98ZZZX235	
****	DURING ROUTINE	INSPECTION 250-HOLD	R MAGNAFI IIX INSPI	ECTION PERFORME	D ON RETRACT ARM	ILINK LEFTLINK WAS	FOUND CRACKED TIME !	SINCE LAST I	NSPECTION 1	07

HOURS. NOTE: PA42 MM CONTAINS NO NDT INSTRUCTIONS OR WHAT TYPE OF NDT TO BE USED DURING THIS INSPECTION. LANDINGS, 5,062.

(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - AIRCRAFT)

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6210	5773X	AEROSP				BLADE	CRACKED	2150	12/8/97
ALGR	5004	AS355F				355A11002006	M/R		98ZZZX243
	DISCOVERED DUF TO SERVICE.	RING DAILY INSPECTIO	ON, M/R BLADE LOW	ER SURFACE SKIN C	RACKED AT STA 10	00 MM LEADING EDGE ER	OSION STRIPS DEBONDE	D. REPAIRED	BY CTI, RETURNED
6210	5773X	AEROSP				BLADE	DAMAGED	1594	12/9/97
ALGR	5004	AS355F				355A11002011	M/R		98ZZZX247
	DISCOVERED DUI	RING DAILY INSPECTION	ON, FOUND M/R BLA	DE LEADING EDGE D	AMAGED AT STA 3	955 MM DUE TO IMPACT (OF FOREIGN OBJECT.		
6320	9151A	AEROSP				GEARBOX	CORRODED	8427	1/6/98
HEEA	238540	SA315B				319A62000003	M/R GRBOX		HEEA0012462
	MAIN GRBOX CAS	SE CORROSION.							
2312	31077	BELL				TRANSCEIVER	FAILED		1/5/98
HEEA	51520	206L3				064105430	COCKPIT		HEEA0012444
	TRANSCEIVER FR	EQUENCY DISPLAY IN	OPERATIVE.						
2820	9907K	BELL				CARTRIDGE	FAILED		1/6/98
LS1R	2040	206B				1C2710	FUEL PUMP		98ZZZX293
	FUEL PUMP DOES	NOT PUMP FUEL DUE	TO FAILED CARTRIE	OGE.					
2820	2276B	BELL				CARTRIDGE	INOPERATIVE		1/6/98
HEEA	3628	206B3				2C271	FUEL SYS		HEEA0012495
	FUEL SYS CARTRI	IDGE INOPERATIVE.							
3340	5019G	BELL			WHELEN	POWER SUPPLY	FAILED		1/6/98
HEEA	45247	206L1				A490A	STROBE		HEEA0012487
	POWER SUPPLY W	VILL NOT FLASH THE S	TROBE BULB.						
3340	8588X	BELL			WHELEN	POWER SUPPLY	FAILED		1/6/98
HEEA	51486	206L3				A413AHDADF1428	LIGHTS		HEEA0012490
	POWER SUPPLY IN	NOPERATIVE.							
3423	2251Z	BELL				COMPASS	DEFECTIVE		1/6/98
HEEA	45756	206L1				C2300DL4B	COCKPIT		HEEA0012514
	COMPASS [24 VOL	LT] IS OUT OF LIMITS.							
3453	3178K	BELL				RECEIVER	FAILED		1/5/98
HEEA	45765	206L1			ARNAV20	4530093	COCKPIT		HEEA0012434
	LORAN RECEIVER	R WILL NOT ACKNOWL	EDGE WAYPOINT A	LERT.					
3457	2761N	BELL				GPS ANTENNA	FAILED		1/5/98
HEEA	45277	206L1				S67157539	GPS SYS		HEEA0012436
	GPS ANTENNA WI	ILL NOT PICK UP SATE	LLITES OR FIND ITSI	ELF.					
5510	205FC	BELL				STABILIZER ASSY	DEFECTIVE		1/6/98
HEEA	51130	206L3				206023119151A	GUIDE PINS		HEEA0012496
		E PINS STUCK. SEPARA	TED ON FRONT EDO	E.					

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6210	27545	BELL				BLADE	CRACKED	1370	12/3/97
ALGR	45234	206L1				206015001107	M/R		98ZZZX253
	DISCOVERED DUI	RING DAILY INSPECTION	ON, M/R BLADE SPAR	CRACKED AT TIP.					
6210	206SL	BELL				BLADE	CORRODED	2975	12/3/97
ALGR	45245	206L1				206015001107	M/R		98ZZZX252
	DISCOVERED DUI	RING DAILY INSPECTION	ON, M/R BLADE HAD	CORROSION AND SK	KIN DEBOND AT BLA	ADE TIP.			
6210	1068S	BELL				BLADE	DELAMINATED	2517	12/4/97
ALGR	45436	206L1				206015001107	M/R		98ZZZX250
	DISCOVERED DUI	RING DAILY INSPECTION	ON, M/R BLADE SKIN	DELAMINATED OVE	ER SPAR AT TIP AND	CORROSION OF TIP.			
6210	3890B	BELL				BLADE	CORRODED	2890	12/3/97
ALGR	45480	206L1				206015001107	M/R		98ZZZX257
	DISCOVERED DUI	RING DAILY INSPECTION	ON, SKIN CORROSION	N AND SEPARATION	AT TIP.				
6210	3890B	BELL				BLADE	CORRODED	2758	12/3/97
ALGR	45480	206L1				206015001107	M/R		98ZZZX258
	DISCOVERED DUI	RING DAILY INSPECTIO	ON, M/R BLADE SKIN	SEPARATED AND CO	ORRODED AT TIP.				
6210	3890B	BELL				BLADE	CORRODED	2951	12/3/97
ALGR	45480	206L1				206015001107	M/R		98ZZZX259
	DISCOVERED DUI	RING DAILY INSPECTION	ON, M/R BLADE SKIN	SEPARATED AND CO	ORRODED AT TIP.				
6210	365AL	BELL				BLADE	CRACKED	2445	12/3/97
ALGR	51376	206L3				206015001107	M/R		98ZZZX256
	DISCOVERED DUI	RING DAILY INSPECTION	ON, M/R BLADE SPAR	CRACKED AT TIP.					
6210	362AL	BELL				BLADE	CORRODED	1421	12/3/97
ALGR	51471	206L3				206015001107	M/R		98ZZZX254
	DISCOVERED DUI	RING DAILY INPSECTION	ON, M/R BLADE SKIN	CORRODED AND SE	PARATED AT TIP A	ND RAILING EDGE EXTRU	SION CORRODED.		
6230	2621	BELL				DRIVE LINK	WORN		11/14/97
ZV1R	45400	206L1				206010336005	M/R MAST		98ZZZX302
		AT TWO PLACES. SEE NCE REPLACEMENT.	BELL MM L-3, FIG 62	2-21. ON TEAR-DOW	N, FOUND BEARING	S AND SPACERS WORN BI	EYOND LIMITS. TOTAL TIN	MES OF PART	TS LESS THAN 1,000
6230	2611	BELL				DRIVE LINK	WORN		11/12/97
ZV1R	45417	206L1				206010336005	M/R MAST		98ZZZX298
		AT TWO PLACES. SEE NCE REPLACEMENT.	BELL MM L-3 FIG 62	-21. ON TEAR-DOWN	N, FOUND BEARINGS	S AND SPACERS WORN BE	YOND LIMITS. TOTAL TIM	ME OF PARTS	LESS THAN 1,000
6230	3899C	BELL				DRIVE LINK	WORN		11/14/97
ZV1R	45596	206L1				206010336005	M/R MAST		98ZZZX301
		AT TWO PLACES. SEE NCE REPLACEMENT.	BELL MM L-3, FIG 62	2-21. ON TEAR-DOW	N, FOUND BEARING	S AND SPACERS WORN BI	EYOND LIMITS. TOTAL TIN	MES OF PART	TS LESS THAN 1,000

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6230	2619	BELL				DRIVE LINK	WORN		11/12/97
ZV1R	51375	206L3				206010336005	M/R MAST		98ZZZX300
		AT TWO PLACES. SEE NCE REPLACEMENT.	E BELL MM L-3, FIG 62	2-21. ON TEAR-DOW	N, FOUND BEARING	S AND SPACERS WORN B	EYOND LIMITS. TOTAL TIM	ES OF PART	TS LESS THAN 1,000
6230	2616	BELL				DRIVE SHAFT	WORN		11/12/97
ZV1R	51418	206L3				206010336005	M/R MAST		98ZZZX299
		AT TWO PLACES. SEE NCE REPLACEMENT.	E BELL MM L-3, FIG 62	2-21. ON TEAR-DOW	N, FOUND BEARING	S AND SPACERS WORN B	EYOND LIMITS. TOTAL TIM	ES OF PART	TS LESS THAN 1,000
6240	11027	BELL				INDICATOR	FAILED		1/6/98
HEEA	45411	206L1				206075681117	DUAL TACH		HEEA0012461
	DUAL TACH ROTO	OR NEEDLE NOT WORK	KING.						
6240	81SP	BELL				INDICATOR	STICKS		1/6/98
HEEA	51029	206L3				206075681105	DUAL TACH		HEEA0012459
	DUAL TACH NEEI	OLE STICKS UP TO 30%							
6330	5006F	BELL				STOP ASSY	WORN		1/6/98
HEEA	45181	206L1				206033518007	TRANSMISSION		HEEA0012503
	TRANSMISSION S	TOP ASSY HAS WORN	RUBBER.						
6330	10761	BELL				LINK ASSY	WORN		1/6/98
HEEA	45381	206L1				206033554101	TRANSMISSION		HEEA0012502
	TRANSMISSION L	INK ASSY WORN.							
6330	10814	BELL				RESTRAINT	WORN		1/6/98
HEEA	45415	206L1				206033506101	TRANSMISSION		HEEA0012498
	TRANSMISSION R	ESTRAINT BEARINGS	WORN.						
6330	2133X	BELL				RESTRAINT	WORN		1/6/98
HEEA	45634	206L1				206033506101	TRANSMISSION		HEEA0012491
	TRANSMISSION R	ESTRAINT HAS WORN	BEARINGS.						
6330	3178K	BELL				RESTRAINT	WORN		1/6/98
HEEA	45765	206L1				206033506103	TRANSMISSION		HEEA0012464
	TRANSMISSION R	ESTRAINT HAS WORN	BEARINGS.						
6330	141BH	BELL				RESTRAINT	WORN		1/6/98
HEEA	51303	206L3				206033506103	TRANSMISSION		HEEA0012465
	TRANSMISSION R	ESTRAINT HAS WORN	BEARINGS.						
6330	6251V	BELL				RESTRAINT	WORN		1/6/98
HEEA	51404	206L3				206033506103	TRANSMISSION		HEEA0012505
	TRANSMISSION R	ESTRAINT HAS BEARI	NGS WORN.						
6710	9907K	BELL				ACTUATOR	INOPERATIVE		1/6/98
LS1R	2040	206B				20606272111	ENG DROOP COMP		98ZZZX295
	INTERNAL MOTO	R SHUT-OFF INOPERAI	BLE.						

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6710	86W	BELL				ACTUATOR	CORRODED	302	1/15/98
GJQR	4142	206B3				206062721113	DROOP COMP		HAIGJQR0163
							T FROM THE OVERHAUL SH ACED WITH O/H'D UNIT FRO		
6720		BELL				BELLCRANK	MISMANUFACTURED		12/17/97
ZV1R		206L1				2060017631	ANTI TORQUE		98ZZZX289
****	ROD ASSY P/N 206		NTACTING. FOUND				OOTING FOUND THAT BELI MACHINED IN IT. FOUND 2		
7714	9907K	BELL				INDICATOR	FAILED		1/6/98
LS1R	2040	206B				206075682001	N1 TACHOMETER		98ZZZX294
	NO INDICATION (ON N1 TACHOMETER G	AUGE.						
7714	8592X	BELL				GAGE	FAILED		1/6/98
HEEA	51508	206L3				206075682107	GAS PROD IND		HEEA0012458
	GAS PRODUCER I	NDICATOR NEEDLES (SCILLATES DURING	STARTING CYCLE.					
7714	31073	BELL				GAGE	ERRATIC		1/6/98
HEEA	51519	206L3				206075682107	GAS PRODUCER		HEEA0012492
	GAS PRODUCER N	EEDLE HAS ERRATIC	OPERATION.						
7722	20898	BELL				INDICATOR	FAILED		1/6/98
HEEA	45721	206L1				206375007103	ENG TOT		HEEA0012474
	TOT INDICAOR IN	CORRECT READING.							
7930	2145C	BELL				INDICATOR	FAILED		1/5/98
HEEA	3456	206B3			174000103	174035201	ENG OIL		HEEA0012439
	INDICATOR WAS	REMOVED FROM BOW	L AND CLEANED. IN	ISTALLED INDICATO	R BACK ON BOWL	, TESTED AND INDICATOR	STILL DIDN'T WORK.		
7930	5019G	BELL				INDICATOR	FAILED		1/5/98
HEEA	45247	206L1			174000103	174035201	ENG OIL		HEEA0012438
	INDICATOR WAS	REMOVED FROM BOW	L AND CLEANED. IN	ISTALLED INDICATO	R BACK ON BOWL	, TESTED AND INDICATOR	STILL DIDN'T WORK.		
7930	2770Y	BELL				INDICATOR	FAILED		1/5/98
HEEA	45291	206L1			174000103	174035201	ENG OIL		HEEA0012440
	INDICATOR WAS	REMOVED FROM BOW	L AND CLEANED. IN	ISTALLED INDICATO	R BACK ON BOWL	, TESTED AND INDICATOR	STILL DIDN'T WORK.		
7930	10814	BELL				INDICATOR	FAILED		1/5/98
HEEA	45415	206L1			174000103	174035201	ENG OIL		HEEA0012441
	INDICATOR WAS	REMOVED FROM BOW	L AND CLEANED. IN	ISTALLED INDICATO	R BACK ON BOWL	, TESTED AND INDICATOR	STILL DIDN'T WORK		
7930	22425	BELL				INDICATOR	FAILED	31	1/5/98
HEEA	45743	206L1			174000103	174035201	ENG OIL		HEEA0012437
	INDICATOR WAS	REMOVED FROM BOW	L AND CLEANED. IN	ISTALLED INDICATO	R BACK ON BOWL	, TESTED AND INDICATOR	STILL DIDN'T WORK.		
7930	8591X	BELL				INDICATOR	FAILED		1/5/98
HEEA	51495	206L3			174000103	174035201	ENG OIL		HEEA0012443
	INDICATOR WAS	REMOVED FROM BOW	L AND CLEANED. IN	ISTALLED INDICATO	R BACK ON BOWL	, TESTED AND INDICATOR	STILL DIDN'T WORK.		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7930	6160Y	BELL				INDICATOR	FAILED		1/5/98
HEEA	51609	206L3			174000103	174035201	ENG OIL		HEEA0012442
	INDICATOR WAS	REMOVED FROM BOW	L AND CLEANED. IN	STALLED INDICATO	OR BACK ON BOWL,	TESTED AND INDICATOR	STILL DIDN'T WORK.		
2370	5736D	BELL				CVR	FAILED	2816	1/6/98
HEEA	31135	212				9806019001	COCKPIT		HEEA0012454
	CVR FAILED TEST								
2562	1079U	BELL				EPIRB	DEFECTIVE		1/6/98
HEEA	31122	212				ACRRLB21	ANTENNA		HEEA0012485
	EPIRB ANTENNA I	BROKEN AND BODY CI	RACKS IN BOTTOM.						
3040	98W	BELL				CONVERTER	FAILED	491	1/7/98
GJQR	35100	212				204070907001	WIPER MOTOR		HAIGJQR0160
	WIPER CONVERTE	ER UNIT IS INOP. REPLA	ACED WITH NEW PA	RT FROM BHT					
3442	102PH	BELL				INDICATOR	FAILED		1/5/98
HEEA	30899	212			P4001	MI5852013	COCKPIT		HEEA0012435
	RADAR SYSTEM V	VOULD COME ON, BUT	SCREEN WAS BLAN	K. AFTER AWHILE, S	SYSTEM WOULD SH	UTDOWN.			
6700	98W	BELL				TUBE	SCORED	419	1/7/98
GJQR	35100	212				209011710005	CONTROL		HAIGJQR0162
	SHAFT HAS HEAV	Y SCORING WHICH AL	LOWS OIL TO SEEP I	Y. REPLACED WITH	TUBE REMOVED F	ROM A/C AND SENT IN FO	R LOCAL REPAIR -		
7810	98W	BELL				DUCT ASSY	DEFECTIVE	538	1/7/98
GJQR	35100	212				212061202009	LT EXHAUST		HAIGJQR0159
	TO C/W TB212-97-1 GROUND UNTIL D		NEW PART FROM BH	Γ - O/H'D NOT AVAIL	ABLE. COULD NOT	INSTALL WITHIN 30 DAY	S, HAD TO GROUND SHIP	TO INSTALL	AND COULD NOT
2210	3897N	BELL				AMPLIFIER ASSY	FAILED		1/6/98
HEEA	28106	214ST				214074305105	FBW ELEV		HEEA0012473
	AMPLIFIER ASSY	TRIPS OFF IN FLIGHT.							
2210	6957Y	BELL				AMPLIFIER ASSY	FAILED		1/6/98
HEEA	28139	214ST				214074303115	AUTO FLIGHT		HEEA0012471
	AMPLIFIER ASSY	FAULTY. PITCH CHAN	NEL WOULD NOT ST	AY ON LINE.					
2436	745H	BELL				REGULATOR	INOPERATIVE		1/5/98
HEEA	28200	214ST				214175153105	DC SYS		HEEA0012451
	VOLTAGE REGUL	ATOR INOPERATIVE.							
2913	3897N	BELL				PUMP	LEAKING		1/6/98
HEEA	28106	214ST				214076033101	HYD SYS		HEEA0012455
	HYD PUMP LEAKI	NG AT OUTLET FITTIN	G.						
2932	3897N	BELL				SWITCH	FAILED		1/6/98
HEEA	28106	214ST				205076044007	HYD PRESS		HEEA0012493
	PRESSURE LIGHT	STAYS ON.							

8045T 28101 INBOUND TO SHOP	BELL 214ST W NR2 ENGINE POWER BELL 214ST RE BASE, COPILOT'S UR PLACED WINDOW ASS BELL 214ST	PPER 'GREENHOUSE'			AIR DTA COMPUTER 214175421101 WINDOW 214031803103 T DEPARTED AIRCRAFT. NO	FAILED NR 2 ENG PWR FAILED COPILOT UPPER		1/6/98 HEEA0012468 11/6/97 98ZZZX292
ADC DOESN'T SHO 8045T 28101 INBOUND TO SHOP MAINTENANCE RE 5748M 28102	W NR2 ENGINE POWER BELL 214ST RE BASE, COPILOT'S UE PLACED WINDOW ASS BELL	PPER 'GREENHOUSE'			WINDOW 214031803103	FAILED COPILOT UPPER		11/6/97
8045T 28101 INBOUND TO SHOR MAINTENANCE RE 5748M 28102	BELL 214ST RE BASE, COPILOT'S UP PLACED WINDOW ASS BELL	PPER 'GREENHOUSE'			214031803103	COPILOT UPPER		
28101 INBOUND TO SHOR MAINTENANCE RE 5748M 28102	214ST RE BASE, COPILOT'S UP PLACED WINDOW ASS BELL				214031803103	COPILOT UPPER		
INBOUND TO SHOP MAINTENANCE RE 5748M 28102	RE BASE, COPILOT'S UE PLACED WINDOW ASS BELL							98ZZZX292
MAINTENANCE RE 5748M 28102	PLACED WINDOW ASS BELL				DEPARTED AIRCRAFT. NO	O DDELUCIA DEPECTA OF FE		· ·
28102				, 55,1150101 52 2,11	EM NR 9.	O PREVIOUS DEFECTS OR RE	PAIRS PI	RIOR TO INCIDENT.
	214ST				HMU	FAILED		1/6/98
NR1 ENGINE FAILE	- 1 (1) I				6038T62P24	NR 1 ENGINE		HEEA0012452
THE ENGINE TIME	ED IN FLIGHT.							
911MK	BELL				TRANSCEIVER	FAILED		11/5/97
47515	222			RT138	4000102000	COCKPIT		98ZZZX281
UPON INITIAL TRA	NSCEIVER INSTALLAT	ΓΙΟΝ, CIRCUIT BREA	KER TRIPS WHEN T	RANSMITTER BUTT	ON IS KEYED. REMOVED A	ND REPLACED.		
222HX	BELL				MOUNT	DEFECTIVE	284	11/25/97
47533	222U				222060150001	BEARING		98ZZZX284
ENGINE MOUNT BI	EARING NOT PROPERL	Y STAKED. REMOV	ED AND REPLACED.					
4UV	BELL				SHUNT	WORN	286	11/12/97
23019	230				1820300150	DC SYSTEM		98ZZZX279
SHUNT WORN AND	DISCOLORED. REMO	VED AND REPLACEI	O 4 EACH.					
4UV	BELL				MOUNT	WORN		11/7/97
23019	230				222331617101	TRANSMISSION		98ZZZX280
ISOLATION MOUN	Γ HAS WORN BEARING	G. REMOVED AND RI	EPLACED.					
4UV	BELL				BEARING	WORN		11/7/97
23019	230				222330620103	XMSN MOUNT		98ZZZX278
MOUNT BEARING	WORN. REMOVED ANI	D REPLACED.						
4UV	BELL				PITCH LINK	WORN		11/4/97
23019	230				230312001101	TAIL ROTOR		98ZZZX277
PITCH LINK WORN	OUT OF LIMITS. REM	OVED AND REPLACE	ED 2 EACH.					
417AL	BELL				BLOWER HOUSING	CRACKED	1442	11/18/97
53054	407				206061432116	OIL COOLER		98ZZZX263
							ATTACH	ES TO 407-062-021-101
427AL	BELL				BEARING	ROUGH	1032	11/11/97
53107	407			407040303101	406040339105	NR 2 T/R DRIVE		98ZZZX305
	47515 UPON INITIAL TRA 222HX 47533 ENGINE MOUNT BI 4UV 23019 SHUNT WORN AND 4UV 23019 ISOLATION MOUN' 4UV 23019 MOUNT BEARING V 4UV 23019 PITCH LINK WORN 417AL 53054 BLOWER REMOVE OIL COOLER DUCT 427AL 53107 TWENTY-FIVE HOU	UPON INITIAL TRANSCEIVER INSTALLATED PROPERLY AT STALLATED PROPERL	UPON INITIAL TRANSCEIVER INSTALLATION, CIRCUIT BREAD 222HX BELL 47533 222U ENGINE MOUNT BEARING NOT PROPERLY STAKED. REMOVE 4UV BELL 23019 230 SHUNT WORN AND DISCOLORED. REMOVED AND REPLACED 4UV BELL 23019 230 ISOLATION MOUNT HAS WORN BEARING. REMOVED AND REPLACED 4UV BELL 23019 230 MOUNT BEARING WORN. REMOVED AND REPLACED. 4UV BELL 23019 230 MOUNT BEARING WORN. REMOVED AND REPLACED. 4UV BELL 23019 230 PITCH LINK WORN OUT OF LIMITS. REMOVED AND REPLACED. 417AL BELL 53054 407 BLOWER REMOVED BECAUSE OF ROUGH BEARINGS. HOUSING OIL COOLER DUCT ASSEMBLY. SUBMITTER SUGGESTED THE 427AL BELL 53107 407 TWENTY-FIVE HOUR INSPECTION FOUND OIL COOLER BLOW	UPON INITIAL TRANSCEIVER INSTALLATION, CIRCUIT BREAKER TRIPS WHEN TO 222HX BELL 47533 222U ENGINE MOUNT BEARING NOT PROPERLY STAKED. REMOVED AND REPLACED. 4UV BELL 23019 230 SHUNT WORN AND DISCOLORED. REMOVED AND REPLACED 4 EACH. 4UV BELL 23019 230 ISOLATION MOUNT HAS WORN BEARING. REMOVED AND REPLACED. 4UV BELL 23019 230 MOUNT BEARING WORN. REMOVED AND REPLACED. 4UV BELL 23019 230 PITCH LINK WORN OUT OF LIMITS. REMOVED AND REPLACED 2 EACH. 417AL BELL 53054 407 BLOWER REMOVED BECAUSE OF ROUGH BEARINGS. HOUSING ALSO CRACKED OIL COOLER DUCT ASSEMBLY. SUBMITTER SUGGESTED THAT POSSIBLY A POCE 427AL BELL 53107 407	47515 222 RT138 UPON INITIAL TRANSCEIVER INSTALLATION, CIRCUIT BREAKER TRIPS WHEN TRANSMITTER BUTTO 222HX BELL 47533 222U ENGINE MOUNT BEARING NOT PROPERLY STAKED. REMOVED AND REPLACED. 4UV BELL 23019 230 SHUNT WORN AND DISCOLORED. REMOVED AND REPLACED 4 EACH. 4UV BELL 23019 230 ISOLATION MOUNT HAS WORN BEARING. REMOVED AND REPLACED. 4UV BELL 23019 230 MOUNT BEARING WORN. REMOVED AND REPLACED. 4UV BELL 23019 230 MOUNT BEARING WORN. REMOVED AND REPLACED. 4UV BELL 23019 230 MOUNT BEARING WORN. REMOVED AND REPLACED. 4UV BELL 23019 230 MOUNT BEARING WORN. REMOVED AND REPLACED. 4UV BELL 23019 230 MOUNT BEARING WORN. REMOVED AND REPLACED 2 EACH. 417AL BELL 53054 407 BLOWER REMOVED BECAUSE OF ROUGH BEARINGS. HOUSING ALSO CRACKED. SHEET METAL HOUDIL COOLER DUCT ASSEMBLY. SUBMITTER SUGGESTED THAT POSSIBLY A POOR FIT PUTTING STR. 427AL BELL 53107 407 407040303101 TWENTY-FIVE HOUR INSPECTION FOUND OIL COOLER BLOWER BEARINGS ROUGH. ALSO, SHAFT SI	AT515 222	### ### ### ### ### ### ### ### ### ##	RT136

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6322	427AL	BELL				BEARING	ROUGH	1032	11/11/97
ALGR	53107	407			407040303101	406040339105	NR 2 T/R DRIVE		98ZZZX306
		OUR INSPECTION FOUN RING AND LUBRICATION			GH. ALSO, SHAFT S	PLINES SHOW SIGNS OF L	ACK OF LUBRICATION. SU	BMITTER R	ECOMMENDED
6410	407AL	BELL				BLADE	CRACKED	42	11/21/97
ALGR	53044	407			407012101105	406016100119	T/R		98ZZZX240
		ON FOUND CRACK AT F BLOCK IN LEADING EI			OF THE LEADING E	DGE. SUSPECT CAUSE IS	HIGH STRESS AREA. PART I	IS UNSERV	ICEABLE. INSTALLED
6510	407AL	BELL				BEARING	WORN	1569	12/9/97
ALGR	53044	407				406040322101	T/R DRIVE HANGER		98ZZZX261
	SCHEDULED MAII	NTENANCE FOUND TA	IL ROTOR DRIVESHA	FT NR 2 HANGER BE	EARING ROUGH ANI	O WORN, AXIAL PLAY.			
6510	407AL	BELL				BOLT	WORN	1569	12/9/97
ALGR	53044	407				NAS6604D50	T/R DRV SUPPORT		98ZZZX260
	SCHEDULED MAI	NTENANCE FOUND TA	IL ROTOR DRIVESHA	AFT NR 2 BOLT WOR	N OR STEPPED, FRE	ΓTING.			
6510	407AL	BELL				DISC PACK	CRACKED		11/9/97
ALGR	53044	407			407040302101	406040340101	T/R DRIVE		98ZZZX303
	WHILE C/W AD 97	-22-15, FOUND T/R DRI	VE DISC PACK CRAC	KED BETWEEN NR 6	AND NR 7. SUBMIT	TER RECOMMENDS FLOA	ATING DRIVESHAFTS SIMILA	AR TO THE	BELL 206 SERIES.
6510	407AL	BELL				DISK PACK	CRACKED		11/27/97
ALGR	53044	407				406040340101	T/R DRIVE		98ZZZX264
	IN C/W AD 97-24-1	7 DURING PHASE 6, FO	UND ONE CRACKED	LAMINATE OF TAIL	ROTOR DRIVESHA	FT DISK PACK AT NR 7 HY	DRAULIC FORWARD LAMII	NATE.	
6510	407AL	BELL				BRACKET	WORN	1569	12/9/97
ALGR	53044	407				407040321101	T/R DRIVESHAFT		98ZZZX262
	SCHEDULED MAII	NTENANCE FOUND NR	2 TAIL ROTOR DRIV	ESHAFT FORWARD I	BRACKET UPPER BO	OLT HOLE WORN ELLIPTIC	CAL.		
6510	417AL	BELL				DISC PACK	CRACKED		11/9/97
ALGR	53054	407			407040302101	406040340101	T/R DRIVE		98ZZZX304
	C/W OF AD 97-22-1 TO THE BELL 206	-,	COUPLING DISC PACK	AFT LAMINATE 'ON	IE' CRACKED BETW	EEN NR 6 AND NR 7. SUB	MITTER RECOMMENDS FLO	ATING DRI	VESHAFTS SIMILAR
6510	437AL	BELL				DISK PACK	CRACKED		12/22/97
ALGR	53141	407				406040340101	T/R SHAFT		98ZZZX244
	DISCOVERED DUI	RING 25 HOUR INSPECT	ΓΙΟΝ, T/R DRIVE SHA	FT NR 5 DISK PACK (CRACKED ON AFT S	IDE IN 2 PLACES.			
6510	437AL	BELL				DISC PACK	CRACKED		11/10/97
ALGR	53141	407				406040340101	T/R DRIVE		98ZZZX310
		OUR TAIL BOOM INSPE FLOATING DRIVESHAF			NR 3, NR 1 DISC IN I	PACK CRACKED, NR 5 TO	NR 6 LOCATION NR 10 DISC	IN PACK C	RACKED. SUBMITTER
6510	437AL	BELL				DISK PACK	CRACKED		11/21/97
ALGR	53141	407			407040302101	406040340101	NR 5		98ZZZX248
	FOUND DURING 2	5 HOUR AD INSPECTIO	N, T/R DRIVESHAFT	DISK PACK NR 5 HAS	S CRACKED COUPLI	NG. CRACKED ON AFT SI	DE OF COUPLING. PACK CO	NSISTS OF	1 DISK.

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6710	406PH	BELL				SWITCH	MISRIGGED	42	11/20/97
HEEA	53198	407				407076502119	CYCLIC CENTER		98ZZZX296
	LANDED ON WC-5	22. AFTER LANDING, (H. NOTE: LEAD SEAL	CYCLIC AGAIN COU	LD NOT BE MOVED A	FT. FOUND CYCLIC	C CENTERING SWITCH CO	XIMATELY 40 POUNDS PR NTACTING TARGET PLAT MM CHAPTER 67-00-00, FIG	E. RE-RIGGI	ED PER MM SPECS TO
7320	417PH	BELL				HMU	FAILED	578	1/5/98
HEEA	53038	407				23068651	ENGINE		HEEA0012446
	FADEC DEGRADE	AND RESTART FAULT	LIGHT ON IN FLIGH	T. REPLACEMENT S/	N ALM0437.				
2562	293CA	BELL				ELT	FAILED		1/6/98
HEEA		412				3000	COCKPIT		HEEA0012482
	ELT OUTPUT DIST	ORTED.							
2820	1202T	BELL				CHECK VALVE	LEAKS		1/6/98
HEEA	33112	412				214066226103	FUEL SYS		HEEA0012516
	CHECK VALVE LE	AKS THROUGH WIRES							
3150	33008	BELL				PANEL	FAILED		1/6/98
HEEA	36004	412				214175122111	MASTER CAUTION		HEEA0012460
	DOESN'T TURN ON	N MASTER CAUTION LI	GHT.						
3413	22608	BELL				INDICATOR	DEFECTIVE		1/15/98
HEEA	33075	412				212070239001	COCKPIT		HEEA0012584
	RATE OF CLIMB IN	NDICATOR. INSPECT F	OR POSSIBLE WATE	R DAMAGE. COMPLY	WITH ASB 214ST-9	7-79, PART 2.			
3424	3893N	BELL				RATE GYRO	FAILED		1/6/98
HEEA	33010	412				214075244001	COCKPIT		HEEA0012515
	RATE GYRO INOPI	ERATIVE. WILL NOT P	ULL RT FLAG ON HS	I AND WILL NOT SHO	OW DEFLECTION IN	TURN.			
3425	3893N	BELL				INDICATOR	FAILED		1/6/98
HEEA	33010	412				1113025	HSI COURSE		HEEA0012469
	HSI COURSE WIND	OOW NUMBERS JAMME	ED.						
3457	2148K	BELL			GARMIN INTL	GPS165	FAILED		1/5/98
HEEA	36001	412				0110010600	COCKPIT		HEEA0012433
	GPS 165 UNIT MES	SAGE: INTERNAL BAT	TERY LOW.						
5260	3893S	BELL				ACTUATOR	INOPERATIVE	11	1/6/98
HEEA	33022	412				212075418105	STEP		HEEA0012501
	STEP ACTUATOR I	INOPERATIVE.							
6210	293CA	BELL				BLADE	SEPARATION	576	1/5/98
HEEA		412				412015300109	M/R		HEEA0012432
	M/R BLADE HAS S	EPARATION ON THE T	RAILING EDGE DOU	BLER WHICH IS BEYO	OND THE LIMITS.				
6210	293CA	BELL				BLADE	UNBONDED	6908	1/5/98
HEEA		412				412015300109	M/R		HEEA0012431
	M/R BLADE HAS R	OTH UPPER FRETTING	PADS UNRONDED				•		

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6210	2258F	BELL				BLADE	DEFECTIVE	9901	1/5/98
HEEA	33073	412				412015300109	M/R		HEEA0012430
	BLADE RECEIVED	FROM VENDOR WITH	I NO WEIGHTS IN FOR	RWARD ROOT POCKE	ET; BLADE IS HEAV	Y AND CANNOT BALANCE			
5220	2298Z	BELL				CAP ASSY	WORN		1/6/98
HEEA	33077	412				412030437103	M/R AFT		HEEA0012486
	AFT CAP ASSY HA	AS WORN RUBBER.							
5320	2148K	BELL				GEAR ASSY	WORN		1/6/98
HEEA	36001	412				212040149001	TRANSMISSION		HEEA0012504
	GEAR ASSY HAS V	WORN SEAL RIDE.							
5320	2148K	BELL				CASE ASSY	CORRODED		1/6/98
HEEA	36001	412				204040386001	M/R XMSN		HEEA0012497
	CASE ASSY HAS C	CORROSION PITS ON LO	OWER FLANGE AND F	PILOT DATA SURFAC	ES.				
5320	2148K	BELL				ADAPTER	CORRODED		1/6/98
HEEA	36001	412				212040190101	SEAL RIDE		HEEA0012499
	ADAPTER HAS CC	ORROSION AT SEAL RII	DE.						
5321	107X	BELL				PANEL	MALFUNCTION		1/6/98
HEEA	33113	412				214175122111	BRAKE WARN		HEEA0012472
	PILOT SIDE ROTO	R BRAKE, LIGHT STAY	S ON DIM.						
5720	5759N	BELL				YAW CONTROL	FAILED		1/6/98
HEEA	33002	412				7001484	T/R CONTROL		HEEA0012463
	YAW CONTROL S	HOWS FULL RIGHT DE	EFLECTION.						
7210	6559Z	BELL				COMBINING GRBOX	MAKING METAL	14154	1/6/98
HEEA	36019	412				3024780	ENGINE		HEEA0012456
	COMBINING GEAL	RBOX HAS METAL ON	PLUG AND FILTER.						
250	107X	BELL				CASE	CRACKED	11668	1/6/98
HEEA	33113	412				3017600	ENGINE		HEEA0012457
	ENGINE HAS CRA	CK IN GENERATOR CA	ASE.						
7314	107X	BELL	PWA			FUEL PUMP	FAILED	8164	9/30/97
HEEA	33113	412	PT6T3B			02527730006	NR 1 ENGINE	4191	98ZZZX291
		LIGHT, NR 1 ENGINE F E FAILURE OF PUMP A				ENTFUL SINGLE ENGINE LA GURE 1, ITEM 10.	ANDING. MAINTENANCE I	NVESTIGA	TION REVEALED
7712	108X	BELL				INDICATOR	STICKS		1/6/98
HEEA	33115	412				412075008111	NR 1 ENG TORQUE		HEEA0012506
	NR1 ENGINE TOR	QUE NEEDLE STICKS A	AND IS ERRATIC.						
7714	3893S	BELL				INDICATOR	INOPERATIVE		1/6/98
HEEA	33022	412				412075010109	TRIPLE TACH		HEEA0012466
	NR1 TRIPLE TACE	I INDICATOR NEEDLE	INOPERATIVE.						

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2422	86CH	BOLKMS				INVERTER	FAILED		1/6/98
HEEA	S557	BO105S				2A10001G	AC SYS		HEEA0012510
	INVERTER FAILEI	O. NO POWER TO 110 V	AC.						
2430	491HL	BOLKMS				CABLE	SHORTED		11/14/97
ALGA	S664	BO105S					BATTERY		98ZZZX309
		· · · · · · · · · · · · · · · · · · ·				R 1 GENERATOR LIGHT ILI THE BATTERY RELAY TO T			
2822	967MB	BOLKMS				ROTOR	FAILED	682	1/5/98
HEEA	S737	BO105S			D107318D1	D10731814	BOOST PUMP		HEEA0012425
		S REMOVED FOR BEIN WAS RECEIVED IN BE			DISASSEMBLED AN	ND FOUND THAT BEARING	CAME APART AND CAUS	SED ARMATU	RE TO BURN UP. SENT
2840	911EB	BOLKMS				TRANSDUCER	FAILED		1/6/98
HEEA	S812	BO105S				BSE206150G3	FUEL PRESS		HEEA0012512
	TRANSDUCER REA	ADS HIGH OUT OF TO	LERANCE AT 95 PSI.						
3340	86CH	BOLKMS			WHELEN	POWER SUPPLY	FAILED		1/6/98
HEEA	S557	BO105S				A413AHDACF1428	LIGHTS		HEEA0012488
	POWER SUPPLY IN	NOPERATIVE LIGHTS A	ARE OUT.						
3340	86CH	BOLKMS			WHELEN	POWER SUPPLY	FAILED		1/6/98
HEEA	S557	BO105S				A413AHDACF1428	LIGHTS		HEEA0012489
	POWER SUPPLY IN	NOPERATIVE. NO OUT	LET WORKS, SMALL	RATTLE INSIDE.					
3610	6607K	BOLKMS				VALVE	FAILED		1/6/98
HEEA	S841	BO105S				97914211	BLEED SOV		HEEA0012481
	BLEED SOV WOUL	LD NOT OPEN. INOPER	RATIVE.						
6240	205UC	BOLKMS				INDICATOR	FAILED		1/6/98
HEEA	S668	BO105S				10594564	MAST MOMENT		HEEA0012475
	MAST MOMENT IN	NDICATOR PEGS OUT	IN FLIGHT.						
6240	205UC	BOLKMS				TRANSMITTER	FAILED		1/6/98
HEEA	S668	BO105S				10594575	MAST MOMENT		HEEA0012476
	MAST MOMENT T	ORQUE TRANSMITTE	R PEGS OUT IN FLIGH	IT.					
6240	5029H	BOLKMS				INDICATOR	FAILED		1/6/98
HEEA	S670	BO105S				10594564	MAST MOMENT		HEEA0012508
	MAST MOMENT IN	NDICATOR INDICATES	HIGH, DOES NOT IN	DICATE CORRECTLY	7.				
6240	5029H	BOLKMS				TRANSMITTER	FAILED		1/6/98
HEEA	S670	BO105S				10594575	ROTOR MAST		HEEA0012507
	TORQUE TRANSM	ITTER INDICATES HIC	GH, DOES NOT INDIC	ATE CORRECTLY.					
6240	5029H	BOLKMS				TRANSMITTER	FAILED		1/6/98
HEEA	S670	BO105S				10594575	ROTOR TORQUE		HEEA0012509
	TORQUE TRANSM	ITTER INDICATES HIC	GH, DOES NOT INDIC.	ATE CORRECTLY.					

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6240	81982	BOLKMS				TRANSMITTER	FAILED		1/6/98
HEEA	S818	BO105S				10594575	MAST MOMENT		HEEA0012477
	TORQUE TRANSM	ITTER INOPERATIVE I	N TEST MODE.						
6240	81982	BOLKMS				INDICATOR	FAILED		1/6/98
HEEA	S818	BO105S				10594564	MAST MOMENT		HEEA0012478
	MAST MOMENT IN	NDICATOR INOPERATI	VE IN TEST MODE.						
6240	6607K	BOLKMS				WARNING BOX	FAILED		1/6/98
HEEA	S841	BO105S				KDW021A	ROTOR RPM		HEEA0012479
	ROTOR RPM WAR	NING LIGHT COMES O	N IN FLIGHT.						
7323	5366Y	BOLKMS	ALLSN			GOVERNOR	FAILED	7134	12/7/97
AC2R	S782	BO105S	250C20B			23057869	ENGINE		98ZZZX297
	FLUCTUATING TO	RQUE SETTING. FOUN	ND GOVERNOR DRIVI	E BROKEN. REPLAC	ED GOVERNOR.				
7714	4302G	BOLKMS				INDICATOR	FAILED		1/5/98
HEEA	S853	BO105S				DL40438	TRIPLE TACH N2		HEEA0012429
	N2 NR2 NEEDLE II	NDICATES 30% LOW A	Т 100% RPM. TIME SI	NCE REPAIR 23:50.					
7923	9190Y	BOLKMS				VALVE	FAILED		1/6/98
HEEA	S669	BO105S				209072433101	OIL SYS		HEEA0012511
	OIL SYS VALVE W	TLL NOT OPEN.							
2211	911MZ	BOLKMS				COMPUTER	FAILED		11/13/97
TI1R	7098	BK117A3				7004206901	CSAS		98ZZZX283
	CSAS COMPUTER	CAUSES FLUCTUATIO	NS IN PITCH ACTUAT	OR. NOISY SIGNAL	COMING OUT OF PI	INS 18 AND 19. REMOVED A	AND REPLACED.		
2430	117LU	BOLKMS				SWITCH	FAILED		10/9/97
TI1R	7144	BK117B1				SP461300	DC SYSTEM		98ZZZX271
	SWITCH WILL NO	T STAY ENGAGED. RE	MOVED AND REPLAC	CED.					
2435	217UC	BOLKMS				ARMATURE	SHORTED		1/5/98
HEEA	7152	BK117B1			23032048	230322111	GENERATOR		HEEA0012426
	GENERATOR FAIL	ED (SHORTED OUT)							
3421	911MZ	BOLKMS				ARTIFICIAL HORIZ	NOISY		11/13/97
TI1R	7098	BK117A3			92082227	4021541671	CSAS PITCH		98ZZZX282
	ARTIFICIAL HORI	Z CAUSES CSAS PITCH	ACTUATOR TO FLUC	TUATE. SIGNAL OU	T OF PINS, X AND Y	ARE TOO NOISY SIMULAT	TING PITCH UP OR DOWN. RE	EMOVED	AND REPLACED.
6210		BOLKMS				BUSHING	DEFECTIVE		11/6/97
TI1R		BK117B1				1051585403	M/R BLADE		98ZZZX267
	BUSHING HAS DE	FECTIVE PHONELIC LI	NING. REMOVED AN	D REPLACED.					
6240	214AE	BOLKMS				TRIPLE TACH	FAILED		10/28/97
TI1R	7206	BK117B1				1179405303	ROTOR RPM		98ZZZX275
	TRIPLE TACHOME	ETER ROTOR RPM NEED	DLE LAGS N2'S IN-FLI	GHT. REMOVED AN	D REPLACED.				

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6420	401PH	BOLKMS				INNER SLEEVE	WORN		1/5/98
HEEA	7050	BK117A3				105317381	T/R HEAD		HEEA0012428
	T/R HEAD BEARIN	NG BUSHING SEATS AN	ID SEAL RIDE WORN.						
6420	132AE	BOLKMS				INNER SLEEVE	WORN	1802	1/5/98
HEEA	7238	BK117B2				105317381	T/R HEAD		HEEA0012427
	T/R HEAD BEARIN	NG BUSHING SEATS AN	ID SEAL RIDE WORN.						
7714	117CH	BOLKMS				INDICATOR	FAILED		11/6/97
TI1R	7061	BK117A3				1179405603	ENGINE NG		98ZZZX270
	NG INDICATOR SI INSTALLATION.	LOW TO INDICATE ANI	O FALLS OFF-LINE O	N DECELERATION. P	PREVIOUSLY SENT F	OR WARRANTY REPAIR C	ON P.O. 93129. FAILED APPR	OXIMATEL	LY ONE WEEK AFTER
7714	117CH	BOLKMS				INDICATOR	FAILED		11/12/97
TI1R	7061	BK117A3				1179405603	ENGINE NG		98ZZZX269
	NG INDICATOR SI	LOW TO INDICATE. FA	LLS OFF-LINE ON DE	ECELERATION AT 8 P	PERCENT. READS AI	LMOST 2 PERCENT LOW. 1	REMOVED AND REPLACED.		
7714	117CH	BOLKMS				INDICATOR	FAILED		11/25/97
TI1R	7061	BK117A3				1179405603	ENGINE NG		98ZZZX268
	NG INDICATOR SI	LOW TO INDICATE, FAI	LLS OFF-LINE AT 5 PI	ERCENT ON DECELE	RATION. REMOVED	AND REPLACED.			
7714	214AE	BOLKMS				TRIPLE TACH	FAILED	3	11/10/97
TI1R	7206	BK117B1				1179405303	ENGINE N2		98ZZZX274
	TRIPLE TACHOMI	ETER N2 NEEDLE HANG	GS UP AT 98 PERCEN	Γ. REMOVED AND R	EPLACED.				
2211	117NC	BOLKMS				COMPUTER	FAILED		11/4/97
TI1R	7509	BK117C1				11788292	SPAS		98ZZZX273
	SPAS COMPUTER	HAS IMPROPER OUTPU	JT VOLTS. REMOVEI	O AND REPLACED.					
3416	317MC	BOLKMS				ALTIMETER	FAILED		10/31/97
TI1R	7505	BK117C1				10222011886	COCKPIT ENCODER		98ZZZX276
	ALTIMETER DROI	PS 300 FEET AT 10,000 F	FEET. WILL NOT HOL	LD ALTITUDE. REMO	OVED AND REPLACE	ED.			
6720	117NC	BOLKMS				PITCH LINK ASSY	WORN	333	10/28/97
TI1R	7509	BK117C1				11731822	TAIL ROTOR		98ZZZX272
	PITCH LINK ASSY	(2 EACH) BEARINGS W	VORN. REMOVED AN	ID REPLACED.					
3425	6123A	HUGHES				HSI CONTROL	FAILED		1/6/98
HEEA	S1523	269C				066304605	COCKPIT		HEEA0012513
	HSI HEADING POI	NTER WILL NOT INDIC	CATE.						
2210	22342	SKRSKY				INDICATOR PANEL	FAILED		1/6/98
HEEA	760096	S76A				7690001804103	YAW POSITION		HEEA0012480
		PANEL FAILED. CANN	OT READ POSITIONS	S.					
2612	703AL	SKRSKY				FLAME DETECTOR	FAILED		11/13/97
ALGA	760266	S76				61423473205	NR 1 ENGINE		98ZZZX307
	NR 1 ENGINE T-HA				ED THE CANNON PI		CTIONALLY TESTED AND FO	OUND TO S	

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2612	768AL	SKRSKY				FLAME DETECTOR	FAILED		11/13/97
ALGA	760031	S76A				47320501	NR 1 ENGINE		98ZZZX308
	NR 1 ENGINE T-H	ANDLE FIRE LIGHT ILL	UMINATED INTERM	ITTENTLY. REMOVE	ED AND REPLACED	NR 1 ENGINE FORWARD F	LAME DETECTOR.		
2612	712AL	SKRSKY				DETECTOR	MALFUNCTION		11/19/97
ALGA	760280	S76A				7630607902104	NR 2 FORWARD		98ZZZX241
	DURING CRUISE I	FLIGHT, NR 2 FIRE LIGH	IT ILLUMINATED. R	ETURNED TO BASE.	NO FIRE-FLAME. D	ETECTOR MALFUNCTION	•		
2840	31219	SKRSKY				TRANSMITTER	FAILED		1/6/98
HEEA	760230	S76A				7645001078119	FUEL SYS		HEEA0012500
	FUEL PRESSURE	RANSMITTER READS	HIGH OUT OF TOLER	ANCE.					
3421	1547D	SKRSKY				VERTICAL GYRO	FAILED		1/6/98
HEEA	760077	S76A				7660002113103	NR 1 PITCH		HEEA0012483
	NR 1 PITCH STAR	TS TO KICK 45 MINUTE	S TO 1 HOUR IN FLIC	GHT.					
3421	706AE	SKRSKY				VERTICAL GYRO	FAILED		1/6/98
HEEA	760275	S76A				7660002113103	COCKPIT		HEEA0012484
	VERT GYRO PREC	CESSES.							
3425	5435V	SKRSKY				INDICATOR	STICKING		1/6/98
HEEA	760158	S76A				1113025	HSI RMI		HEEA0012470
	HSI RMI NEEDLE	STICKING INTERMITTI	ENTLY.						
3444	706AE	SKRSKY				ALTIMETER	FAILED		1/5/98
HEEA	760275	S76A				066304400	COCKPIT		HEEA0012445
	RADAR ALTIMET	ER NEEDLE WILL STAF	RT SPINNING FOR A F	FEW SECONDS THEN	STOP.				
6210	376AL	SKRSKY				BLADE	DEBONDED	7208	12/2/97
ALGR	760002	S76A				7615009100051	M/R	487	98ZZZX255
	DISCOVERED DUI	RING 500-HOUR INSPEC	CTION, M/R BLADE TI	IP RIB STRAP AND DO	OUBLERS DEBONDE	ED.			
6210	741SW	SKRSKY				BLADE	DEBONDED	11725	12/9/97
ALGR	760070	S76A				7615009100049	M/R		98ZZZX242
		RING 11,750 HOUR INSE JRTHER EVALUATION		E, LOWER ROOT END	LAMINATE DEBON	DED BEYOND ALLOWABI	LE LIMITS PER SA4047-76	-5, CHAPTER 2	2. SENT TO SIKORSKY
6210	708AL	SKRSKY				BLADE	DEBONDED	11505	9/29/97
ALGR	760277	S76A				7715009100049	M/R	559	98ZZZX246
	DISCOVERED DUI	RING EVALUATION OF	BLADE ASSEMBLY F	PRIOR TO SHIPMENT	TO REPAIR FACILIT	Y, TIP RIB ASSEMBLY DE	BONDED.		
6210	708AL	SKRSKY				BLADE	DEBONDED	11505	9/29/97
ALGR	760277	S76A				7615009100049	M/R	559	98ZZZX245
	MALFUNCTION W	AS DISCOVERED DUR	ING 11,750 HOUR INS	PECTION, M/R BLAD	E ROOT END LAMIN	MATES DEBONDED BEYON	ND ACCCEPTABLE LIMIT	S.	
6410		SKRSKY				BLADE	SPLIT	4836	1/5/98
HEEA	760063	S76				7610105101041	T/R PADDLE B		HEEA0012421
	TRAILING EDGE S	PLIT OPEN ON PADDL	E "B" AND HOLE IN T	HE LEADING EDGE A	ABRASION STRIP.				

	DOMESTIC SERVICE	E DIFFICULTY REPORT SUMMA	RV - HELICOPTERS (cont
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DOMEST	IC SERVICE DIFF	FICULTY REPORT S	SUMMARY - HEL	ICOPTERS (cont'	<u>d)</u>		<u>1/18/98 To 1/</u>	/24/98 ISS	SUE: 98-04 ZAC-327
ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6410	4253S	SKRSKY				BLADE	DEFECTIVE	443	1/5/98
HEEA	760035	S76A				7610105101041	T/R		HEEA0012423
	T/R BLADE PRIMA	RY RUBBER LIFTING.							
6410	5426U	SKRSKY				BLADE	DEFECTIVE	9943	1/5/98
HEEA	760167	S76A				7610105101041	T/R HORN B		HEEA0012422
	PITCH HORN "B" H	IAS REACHED RETIREM	MENT TIME.						
6410	707AE	SKRSKY				BLADE	UNBONDED	408	1/5/98
HEEA	760276	S76A				7610105101041	T/R		HEEA0012424
	T/R BLADE LINER	BETWEEN THE SPAR A	AND THE PLUG TORN	AND UNBONDED.					
7120	164AG	SKRSKY				TUBE	CORRODED		12/11/97
ALGR	760290	S76A				7630907007048	ENGINE MOUNT		98ZZZX251
		- , - ,				NG INSIDE OF TUBE, COR EVENTATIVE METHODS.	ROSION WAS FOUND THAT	ΓEXCEEDEI	D LIMITS. INSIDE OF
7931	4253S	SKRSKY				INDICATOR	STICKS		1/5/98
HEEA	760035	S76A				7645001078101	ENG OIL		HEEA0012420
	NR2 ENGINE OIL F	RESSURE NEEDLE FLU	CTUATES ON TEMP/	PRESS INDICATOR.					

(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - HELICOPTERS)

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7320	417PH	BELL				HMU	FAILED	578	1/5/98
HEEA	53038	407				23068651	ENGINE		HEEA0012446
	FADEC DEGRADE	E AND RESTART FAULT	LIGHT ON IN FLIGH	T. REPLACEMENT S/	N ALM0437.				
7210	6559Z	BELL				COMBINING GRBOX	MAKING METAL	14154	1/6/98
HEEA	36019	412				3024780	ENGINE		HEEA0012456
	COMBINING GEA	RBOX HAS METAL ON I	PLUG AND FILTER.						
7250	107X	BELL				CASE	CRACKED	11668	1/6/98
HEEA	33113	412				3017600	ENGINE		HEEA0012457
	ENGINE HAS CRA	CK IN GENERATOR CA	SE.						
7314	107X	BELL	PWA			FUEL PUMP	FAILED	8164	9/30/97
HEEA	33113	412	PT6T3B			02527730006	NR 1 ENGINE	4191	98ZZZX291
		LIGHT, NR 1 ENGINE FL E FAILURE OF PUMP AN				ENTFUL SINGLE ENGINE L GURE 1, ITEM 10.	ANDING. MAINTENANCE I	NVESTIGA	TION REVEALED
7323	5366Y	BOLKMS	ALLSN			GOVERNOR	FAILED	7134	12/7/97
AC2R	S782	BO105S	250C20B			23057869	ENGINE		98ZZZX297
	FLUCTUATING TO	ORQUE SETTING. FOUN	ND GOVERNOR DRIV	E BROKEN. REPLAC	ED GOVERNOR.				
8550	67932	CESSNA	LYC			OIL FILTER	BULGED	1	11/24/97
	15282107	152	O235L2C			CH48110	ENGINE OIL		98ZZZX230
						Γ, OIL WAS LOST OVERBOA ING LIFTED FILTER OFF SE		ILTER WAS	S FOUND ELONGATED
8530	7115M	CESSNA	CONT			ROCKER BOSS	FAILED		10/3/97
	55415	175	GO300A				NR 4 CYLINDER	248	98ZZZX224
	OUT WITH THE CO		EVIOUSLY, THE COV	ER HAD BEEN REMO		ON REMOVAL OF ROCKE O TUBES HAD BEEN RESEA	,		
8520	2838D	PIPER	LYC			CRANKSHAFT	FAILED	6600	12/31/97
	287916463	PA28161	O320D3G				NR 4 ROD JOURNAL	180	98ZZZX222
	PILOT HEARD A L	OUD KNOCKING SOUN	D AND ABORTED TA	AKEOFF AND TAXIED	BACK TO HANGAR	GOT BACK INTO AIRCRAFT A. AFTER PULLING ALL TH OWAS HOLDING THE CRAN	E CYLINDERS OFF AND RE		
7414	59829	PIPER	LYC		BENDIX	MAGNETO	FAILED	142	1/2/97
	317652081	PA31350	LTIO540J2BD			1068291013	DRIVE GEAR		98ZZZX223
		IE CAP OFF THE MAGN. EPORTED A TIMING TO			EAR TEETH WAS BR	ROKEN OFF FROM THE NYI	LON DISTRIBUTOR GEAR.	NOTE: THE	E DIRECTOR OF
	MAINTENANCE K								
7414	3527U	PIPER	LYC			DIST BLOCK	WORN	443	11/18/97
7414 YECR		PIPER PA31350	LYC TIO540J2BD		D6RN3200	DIST BLOCK 10682056	WORN MAGNETO	443	11/18/97 98ZZZX228

ATA	REG. NO	ACFT MAKE	ENG MAKE	PROP MAKE	COMP MFG	PART NAME	PART COND	TT	DIFF. DATE
OPER	SERIAL NO	ACFT MODEL	ENG MDL	PROP MDL	COMP MDL	PART NUMBER	PART LOC.	TSO	OPER CONT NO
8530	3521S	PIPER	LYC			RING	BROKEN	1226	1/14/98
BIEA	317952107	PA31350	TIO540J2BD			73857	NR 4 CYLINDER	1226	BIER9801049
		D PISTON LAND BROK			*		S AN OIL RING PART. REMOVE OF CLOSE EXAMINATION		

(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - ENGINES)

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
2370	39PH	BEECH				CVR	FAILED	4058	1/6/98
HEEA	BL3	200CBEECH				9806019001	COCKPIT		HEEA0012453
	CVR WILL NOT TH	EST.							
3432	30PH	BEECH				INDICATOR	FAILED		1/6/98
HEEA	BB635	200BEECH				5222638006	GLIDESLOPE		HEEA0012467
	COURSE INDICAT	OR GLIDESCOPE STAY	S FLAGGED AND INC	PERATIVE.					
2312	31077	BELL				TRANSCEIVER	FAILED		1/5/98
HEEA	51520	206L3				064105430	COCKPIT		HEEA0012444
	TRANSCEIVER FR	EQUENCY DISPLAY IN	OPERATIVE.						
3423	2251Z	BELL				COMPASS	DEFECTIVE		1/6/98
HEEA	45756	206L1				C2300DL4B	COCKPIT		HEEA0012514
	COMPASS [24 VOI	LT] IS OUT OF LIMITS.							
3453	3178K	BELL				RECEIVER	FAILED		1/5/98
HEEA	45765	206L1			ARNAV20	4530093	COCKPIT		HEEA0012434
	LORAN RECEIVER	R WILL NOT ACKNOWL	LEDGE WAYPOINT AI	LERT.					
3457	2761N	BELL				GPS ANTENNA	FAILED		1/5/98
HEEA	45277	206L1				S67157539	GPS SYS		HEEA0012436
	GPS ANTENNA WI	ILL NOT PICK UP SATE	LLITES OR FIND ITSE	LF.					
2370	5736D	BELL				CVR	FAILED	2816	1/6/98
HEEA	31135	212				9806019001	COCKPIT		HEEA0012454
	CVR FAILED TEST								
2562	1079U	BELL				EPIRB	DEFECTIVE		1/6/98
HEEA	31122	212				ACRRLB21	ANTENNA		HEEA0012485
	EPIRB ANTENNA	BROKEN AND BODY C	RACKS IN BOTTOM.						
3442	102PH	BELL				INDICATOR	FAILED		1/5/98
HEEA	30899	212			P4001	MI5852013	COCKPIT		HEEA0012435
	RADAR SYSTEM V	WOULD COME ON, BUT	SCREEN WAS BLAN	K. AFTER AWHILE, S	SYSTEM WOULD SH	IUTDOWN.			
2312	911MK	BELL				TRANSCEIVER	FAILED		11/5/97
TI1R	47515	222			RT138	4000102000	COCKPIT		98ZZZX281
	UPON INITIAL TR	ANSCEIVER INSTALLA	TION, CIRCUIT BREA	KER TRIPS WHEN T	RANSMITTER BUTT	ON IS KEYED. REMOVED	AND REPLACED.		
2562	293CA	BELL				ELT	FAILED		1/6/98
HEEA		412				3000	COCKPIT		HEEA0012482
	ELT OUTPUT DIST	TORTED.							
3413	22608	BELL				INDICATOR	DEFECTIVE		1/15/98
HEEA	33075	412				212070239001	COCKPIT		HEEA0012584
	RATE OF CLIMB II	NDICATOR. INSPECT F	FOR POSSIBLE WATE	R DAMAGE. COMPLY	Y WITH ASB 214ST-9	97-79, PART 2.			

OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3424	3893N	BELL				RATE GYRO	FAILED		1/6/98
HEEA	33010	412				214075244001	COCKPIT		HEEA0012515
	RATE GYRO INOF	PERATIVE. WILL NOT P	PULL RT FLAG ON HS	I AND WILL NOT SHO	OW DEFLECTION IN	TURN.			
3425	3893N	BELL				INDICATOR	FAILED		1/6/98
HEEA	33010	412				1113025	HSI COURSE		HEEA0012469
	HSI COURSE WIN	DOW NUMBERS JAMME	ED.						
3457	2148K	BELL			GARMIN INTL	GPS165	FAILED		1/5/98
HEEA	36001	412				0110010600	COCKPIT		HEEA0012433
	GPS 165 UNIT ME	SSAGE: INTERNAL BAT	ΓΤΕRY LOW.						
2211	911MZ	BOLKMS				COMPUTER	FAILED		11/13/97
TI1R	7098	BK117A3				7004206901	CSAS		98ZZZX283
	CSAS COMPUTER	CAUSES FLUCTUATIO	NS IN PITCH ACTUAT	OR. NOISY SIGNAL	COMING OUT OF PI	NS 18 AND 19. REMOVED	AND REPLACED.		
3421	911MZ	BOLKMS				ARTIFICIAL HORIZ	NOISY		11/13/97
TI1R	7098	BK117A3			92082227	4021541671	CSAS PITCH		98ZZZX282
	ARTIFICIAL HORI	Z CAUSES CSAS PITCH	ACTUATOR TO FLUC	CTUATE. SIGNAL OU	T OF PINS, X AND Y	ARE TOO NOISY SIMULA	TING PITCH UP OR DOWN.	REMOVED	AND REPLACED.
2211	117NC	BOLKMS				COMPUTER	FAILED		11/4/97
TI1R	7509	BK117C1				11788292	SPAS		98ZZZX273
	SPAS COMPUTER	HAS IMPROPER OUTPU	JT VOLTS. REMOVED	AND REPLACED.					
3416	317MC	BOLKMS				ALTIMETER	FAILED		10/31/97
	7505	DITTALEGA				10222011886	COCKPIT ENCODER		98ZZZX276
TI1R	7303	BK117C1				10222011880	COCINITI ELICOPEIL		
THR		BK117C1 PS 300 FEET AT 10,000 F	EET. WILL NOT HOL	D ALTITUDE. REMO	VED AND REPLACE				
6122			FEET. WILL NOT HOL	D ALTITUDE. REMO	VED AND REPLACE		SEIZED		12/23/97
	ALTIMETER DRO	PS 300 FEET AT 10,000 F	FEET. WILL NOT HOL	D ALTITUDE. REMO		ED.		2139	
6122	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND E	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOW UNTS OF GROUND MET	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU	1 AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	ED. GOVERNOR 210735 EE DISCOVERED PROPELLI EIZED. ENGINE REMOVED	SEIZED	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING D ZERO TORQUE AND
6122	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOW UNTS OF GROUND MET JRE AFTER GOVERNOR	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU	1 AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	ED. GOVERNOR 210735 EE DISCOVERED PROPELLI EIZED. ENGINE REMOVED	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING D ZERO TORQUE AND
6122 R2JR	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND E	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOV UNTS OF GROUND MET URE AFTER GOVERNOR NGINE SENT TO GARET	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU	1 AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	ED. GOVERNOR 210735 EE DISCOVERED PROPELLI EIZED. ENGINE REMOVED OOLER, ENGINE, AND OIL	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT CHANGED. ALL OIL LINES	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING O ZERO TORQUE AND GOV SENT TO
6122 R2JR	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND EI 6123A S1523	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOW UNTS OF GROUND MET IRE AFTER GOVERNOR NGINE SENT TO GARET HUGHES	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU TT SERVICE CENTER.	1 AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	GOVERNOR 210735 CE DISCOVERED PROPELLI EIZED. ENGINE REMOVED OOLER, ENGINE, AND OIL HSI CONTROL	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT CHANGED. ALL OIL LINES FAILED	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING D ZERO TORQUE AND GOV SENT TO
6122 R2JR	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND EI 6123A S1523	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOV UNTS OF GROUND MET URE AFTER GOVERNOR NGINE SENT TO GARET HUGHES 269C	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU TT SERVICE CENTER.	1 AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	GOVERNOR 210735 CE DISCOVERED PROPELLI EIZED. ENGINE REMOVED OOLER, ENGINE, AND OIL HSI CONTROL	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT CHANGED. ALL OIL LINES FAILED	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING D ZERO TORQUE AND GOV SENT TO
6122 R2JR 3425 HEEA	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND EI 6123A S1523 HSI HEADING PO	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOW UNTS OF GROUND MET URE AFTER GOVERNOR NGINE SENT TO GARET HUGHES 269C INTER WILL NOT INDIC	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU TT SERVICE CENTER.	1 AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	GOVERNOR 210735 CE DISCOVERED PROPELLI EIZED. ENGINE REMOVED OOLER, ENGINE, AND OIL HSI CONTROL 066304605	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT CHANGED. ALL OIL LINES FAILED COCKPIT	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING O ZERO TORQUE AND GOV SENT TO 1/6/98 HEEA0012513
6122 R2JR 3425 HEEA	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND EI 6123A S1523 HSI HEADING PO 22342 760096	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOW UNTS OF GROUND MET IRE AFTER GOVERNOR NGINE SENT TO GARET HUGHES 269C INTER WILL NOT INDIC	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU TT SERVICE CENTER. CATE.	I AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT GARRETT P/N IS 894	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	GOVERNOR 210735 CE DISCOVERED PROPELLI EZZED. ENGINE REMOVED OOLER, ENGINE, AND OIL HSI CONTROL 066304605 INDICATOR PANEL	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT CHANGED. ALL OIL LINES FAILED COCKPIT FAILED	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING D ZERO TORQUE AND GOV SENT TO 1/6/98 HEEA0012513
6122 R2JR 3425 HEEA	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND EI 6123A S1523 HSI HEADING PO 22342 760096	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOW UNTS OF GROUND MET URE AFTER GOVERNOR NGINE SENT TO GARET HUGHES 269C INTER WILL NOT INDIC SKRSKY S76A	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU TT SERVICE CENTER. CATE.	I AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT GARRETT P/N IS 894	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	GOVERNOR 210735 CE DISCOVERED PROPELLI EZZED. ENGINE REMOVED OOLER, ENGINE, AND OIL HSI CONTROL 066304605 INDICATOR PANEL	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT CHANGED. ALL OIL LINES FAILED COCKPIT FAILED	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING D ZERO TORQUE AND GOV SENT TO 1/6/98 HEEA0012513
6122 R2JR 3425 HEEA 2210 HEEA	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND EI 6123A S1523 HSI HEADING PO 22342 760096 YAW INDICATOR	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOW UNTS OF GROUND MET IRE AFTER GOVERNOR NGINE SENT TO GARET HUGHES 269C INTER WILL NOT INDIC SKRSKY S76A PANEL FAILED. CANN	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU TT SERVICE CENTER. CATE.	I AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT GARRETT P/N IS 894	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	GOVERNOR 210735 CE DISCOVERED PROPELLI EIZED. ENGINE REMOVED OOLER, ENGINE, AND OIL HSI CONTROL 066304605 INDICATOR PANEL 7690001804103	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT CHANGED. ALL OIL LINES FAILED COCKPIT FAILED YAW POSITION	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING O ZERO TORQUE AND GOV SENT TO 1/6/98 HEEA0012513
6122 R2JR 3425 HEEA 2210 HEEA	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND EI 6123A S1523 HSI HEADING PO 22342 760096 YAW INDICATOR 1547D 760077	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOW UNTS OF GROUND MET IRE AFTER GOVERNOR NGINE SENT TO GARET HUGHES 269C INTER WILL NOT INDIC SKRSKY S76A PANEL FAILED. CANN	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU TT SERVICE CENTER. CATE.	I AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT GARRETT P/N IS 894	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	GOVERNOR 210735 CE DISCOVERED PROPELLI EZZED. ENGINE REMOVED OOLER, ENGINE, AND OIL HSI CONTROL 066304605 INDICATOR PANEL 7690001804103 VERTICAL GYRO	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT CHANGED. ALL OIL LINES FAILED COCKPIT FAILED YAW POSITION FAILED	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING D ZERO TORQUE AND GOV SENT TO 1/6/98 HEEA0012513 1/6/98 HEEA0012480
6122 R2JR 3425 HEEA 2210 HEEA	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND EI 6123A S1523 HSI HEADING PO 22342 760096 YAW INDICATOR 1547D 760077	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOW UNTS OF GROUND MET IRE AFTER GOVERNOR NGINE SENT TO GARET HUGHES 269C INTER WILL NOT INDIC SKRSKY S76A PANEL FAILED. CANN SKRSKY S76A	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU TT SERVICE CENTER. CATE.	I AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT GARRETT P/N IS 894	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	GOVERNOR 210735 CE DISCOVERED PROPELLI EZZED. ENGINE REMOVED OOLER, ENGINE, AND OIL HSI CONTROL 066304605 INDICATOR PANEL 7690001804103 VERTICAL GYRO	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT CHANGED. ALL OIL LINES FAILED COCKPIT FAILED YAW POSITION FAILED	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING D ZERO TORQUE AND GOV SENT TO 1/6/98 HEEA0012513 1/6/98 HEEA0012480
6122 R2JR 3425 HEEA 2210 HEEA 3421 HEEA	ALTIMETER DRO 690HT 11467 ON TAXI, ENGINE MODERATE AMO HIGH OIL PRESSU GARRETT AND EI 6123A S1523 HSI HEADING PO 22342 760096 YAW INDICATOR 1547D 760077 NR 1 PITCH STAR	PS 300 FEET AT 10,000 F GULSTM 690B E HAD TO BE SHUT DOW UNTS OF GROUND MET JIRE AFTER GOVERNOR NGINE SENT TO GARET HUGHES 269C INTER WILL NOT INDIC SKRSKY S76A PANEL FAILED. CANN SKRSKY S76A TS TO KICK 45 MINUTE	VN DUE TO LOW RPM FAL TO BE PUMPED I WAS CHANGED. SU TT SERVICE CENTER. CATE.	I AND HIGH ITT IN B NTO NOSE CASE. GO SPECT METAL CONT GARRETT P/N IS 894	WOODWARD ETA. MAINTENANG DVERNOR SHAFT SE AMINATION. OIL C	GOVERNOR 210735 CE DISCOVERED PROPELLI EIZED. ENGINE REMOVED OOLER, ENGINE, AND OIL HSI CONTROL 066304605 INDICATOR PANEL 7690001804103 VERTICAL GYRO 7660002113103	SEIZED PROPELLER ER GOVERNOR HAD FAILEI FOR TEAR-DOWN INSPECT CHANGED. ALL OIL LINES FAILED COCKPIT FAILED YAW POSITION FAILED NR 1 PITCH	O INTERNA ION DUE TO	12/23/97 98ZZZX288 LLY CAUSING D ZERO TORQUE AND GOV SENT TO 1/6/98 HEEA0012513 1/6/98 HEEA0012480 1/6/98 HEEA0012480

(End of DOMESTIC SERVICE DIFFICULTY REPORT SUMMARY - COMPONENTS)

DOMESTI	C SERVICE DIFF	ICULTY REPORT	SUMMARY - CON	MPONENTS (cont	<u>'d)</u>		<u>1/18/98 To</u>	1/24/98 IS	SUE: 98-04 ZAC-327
ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3425	5435V	SKRSKY				INDICATOR	STICKING		1/6/98
HEEA	760158	S76A				1113025	HSI RMI		HEEA0012470
	HSI RMI NEEDLE S	TICKING INTERMITTE	NTLY.						
3444	706AE	SKRSKY				ALTIMETER	FAILED		1/5/98
HEEA	760275	S76A				066304400	COCKPIT		HEEA0012445
	RADAR ALTIMETE	R NEEDLE WILL STAR	T SPINNING FOR A FI	EW SECONDS THEN	STOP.				

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO			
6110		BEECH		HARTZL		WIRE	DAMAGED	2018	6/1/96			
		100BEECH		HCB3TN3		38012	PROPELLER ASSY		EY2R9601562			
	PROP ASSY I.D. W	'IRE DAMAGE										
6110		BEECH		HARTZL		HIGH PTCH STOP	BENT		5/1/96			
		100BEECH		HCB4TN5		83034	PROPELLER ASSY		EY2R9601517			
	HIGH PITCH STOR	P FOUND BENT.										
6110		BEECH		HARTZL		CLAMP	MISDRILLED	6715	6/1/96			
		100BEECH		HCB3TN3		13019S	PROPELLER ASSY		EY2R9601560			
	PROP ASSY CLAM	MP HAS MISDRILLED 32	1 SCREWS.									
6110		BEECH		HARTZL		HIGH PTCH STOP	BENT		5/1/96			
		100BEECH		HCB4TN5		3494	PROPELLER ASSY		EY2R9601516			
	PROPELLER ASSY	Y HIGH PITCH STOP FOU	JND BENT.									
6110		BEECH		HARTZL		LOW STOP COLLAR	DEFECTIVE	6715	6/1/96			
		100BEECH		HCB3TN3		30012	PROPELLER ASSY		EY2R9601561			
	LOW STOP COLLA	LOW STOP COLLAR IS .30 INCH OUT OF ROUND.										
6114		BEECH		HARTZL		HUB	DAMAGED		3/1/96			
		18S		HCB3R304		84074	PROPELLER ASSY		EY2R9601461			
	HUB HAS DEEP D	EEP SCRATCHES BETW	EEN SPLINES									
6110		ВЕЕСН		HARTZL		LOW STOP COLLAR	WORN		3/1/96			
		200BEECH		HCB3TN3		30012	PROPELLER ASSY		EY2R9601462			
	PROP LOW STOP	COLLAR IS WORN										
6114		BEECH		MCAULY		HUB	DAMAGED		7/1/96			
		D55		3AF32C75		D7015C75	PROPELLER ASSY		EY2R9601570			
	PROP HUB OUTSI	DE DAMAGE										
6110		BEECH		HARTZL		LOW STOP COLLAR	BENT	3181	5/1/96			
		C90		HCB3TN3		3475A2	PROPELLER ASSY	1979	EY2R9601509			
	PROP ASSY LOW	STOP COLLAR BENT										
6114		BEECH		HARTZL		HUB	DAMAGED	1545	6/1/96			
		95B55		PHCC3YF2		32517	PROPELLER ASSY		EY2R9601568			
	PROP HUB DOWE	L PINS ENLARGED										
6110		BNORM		HARTZL		PITCH CHANGE	WORN		6/1/96			
		BN2A3		HCC2YK2		24573	PROP ASSY FORK		EY2R9601564			
	PROP ASSY PITCH	H CHANGE FORK WORN	I									
6110		CESSNA		HARTZL		BEARING	WORN		4/1/96			
		172		HCC2YK1		2020	PROPELLER ASSY		EY2R9601488			
	PROP ASSY BEAR											

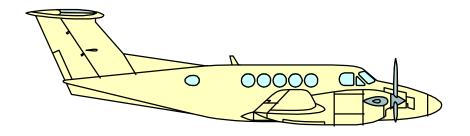
ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6110		CESSNA		MCAULY		BALL BEARING	DEFECTIVE	5633	7/1/96
		172RG		B2D34C220		A16349	PROPELLER ASSY	1131	EY2R9601579
	PROP ASSY BEAR	INGS FLAT							
6114		CESSNA		HARTZL		HUB	DAMAGED		3/1/96
		177		HCC2YR1		220117	PROPELLER ASSY		EY2R9601466
	HUB GREASE FIT	TING HOLE DAMAGED							
6110		CESSNA		HARTZL		PISTON ROD	DAMAGED	1873	3/1/96
		182		HCC3YF1		24182	PROPELLER ASSY	168	EY2R9601467
	PROP ASSY PISTO	ON ROD ASSY DAMAGE	D						
6110		CESSNA		MCAULY		PISTON	DAMAGED		6/1/96
		182		B2D34C214		C3418	PROPELLER ASSY		EY2R9601552
	PROP ASSY PISTO	N IS DAMAGED							
6111		CESSNA		MCAULY		BLADE	OTHER	1187	6/1/96
		P206B		E2A34C73		S90AT8	STRIPPED		EY2R9601556
	BLADE SN EJ299Y	S, THREADS CHIPPED							
6111		CESSNA		MCAULY		BLADE	STRIPPED	1187	6/1/96
		P206B		E2A34C73		S90AT8	PROPELLER ASSY		EY2R9601557
	BLADE SN EJ247Y	S, THREADS CHIPPED							
6114		CESSNA		MCAULY		HUB	MIS DRILLED	3698	4/1/96
		P206A		D3A32C90		D4197C90	PROPELLER ASSY	972	EY2R9601483
	PROP HUB WELCH	H PLUG HOLES DRILLE	D WRONG						
6110		CESSNA		MCAULY		BETA ROD	WORN	2566	7/1/96
		208		3GFR34C703		C5503	PROPELLER ASSY		EY2R9601577
	PROP BETA ROD V	WORN							
6110		CESSNA		MCAULY		CYLINDER	GROOVED	2566	7/1/96
		208		3GFR34C703		D5010	PROPELLER ASSY		EY2R9601578
	PROP ASSY CYLIN	NDER GROOVED EXCES	SSIVELY						
6110		CESSNA		MCAULY		ROLL PIN	BENT		6/1/96
		210		D3A34C402		A31504	PROPELLER ASSY		EY2R9601554
	PROP ASSY ROLL	PIN BENT							
6110		CESSNA		MCAULY		RETAIN RING	BENT		5/1/96
		210M		D3A32C88		B3478	PROPELLER ASSY		EY2R9601504
	PROP ASSY RETA	IN RING IS BENT							
6110		CESSNA		MCAULY		CYLINDER	DAMAGED		7/1/96
		T210N		D3A34C402		C5264	PROPELLER ASSY		EY2R9601580
	PROP ASSY CYLIN	NDER DAMAGED							

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6110		CESSNA		MCAULY		CYLINDER	DENTED		6/1/96
		T303		3AF32C506		C4283	PROPELLER ASSY		EY2R9601535
	PROP ASSY CYLIN	NDER DENTED							
6110		CESSNA		MCAULY		PISTON ROD ASSY	BENT		6/1/96
		T303		3AF32C506		C3474	PROPELLER ASSY		EY2R9601534
	PISTON ROD ASS	Y BENT							
6110		CESSNA		MCAULY		PISTON ROD	WORN		4/1/96
		310R		3AF32C87		D3474	PROPELLER ASSY		EY2R9601475
	PROP ASSY PISTO	N ROD ASSY IS WORN							
6110		CESSNA		MCAULY		PISTON ROD ASSY	WORN		4/1/96
		310R		3AF32C87		D3474	PROPELLER ASSY		EY2R9601474
	PROP ASSY PISTO	N ROD ASSY WORN							
6111		CESSNA		MCAULY		BLADE	DAMAGED		6/1/96
		310L		D3AF32C80		S82NC4	PROPELLER ASSY		EY2R9601555
	BLADE SN K77739	YS, SCRATCH IN THRE	EADS						
6111		CESSNA		MCAULY		ACTUATING PIN	WORN	3428	5/1/96
		310Q		3AF32C87		B4459	BLADE	501	EY2R9601498
	PROP ASSY BLAD	E ACTUATING PIN WO	RN						
6111		CESSNA		MCAULY		ACTUATING PIN	DAMAGED		6/1/96
		310R		3AF32C87		C4459	PROPELLER ASSY		EY2R9601540
	PROP ASSY BLAD	E ACTUATING PIN DAN	MAGED						
6114		CESSNA		MCAULY		HUB	FRETTED		3/1/96
		310		D2AF34C81		D4887C81	PROP ASSY		EY2R9601456
	PROP HUB HAS EX	XCESSIVE FRETTING.							
6114		CESSNA		MCAULY		HUB	DAMAGED		7/1/96
		310		3AF32C87		D7015C87	PROPELLER ASSY		EY2R9601575
	PROP HUB STAKII	NG PIN HOLE TOO DEE	P						
6114		CESSNA		MCAULY		HUB	MIS DRILLED		7/1/96
		310		3AF32C87		D7015C87	PROPELLER ASSY		EY2R9601574
	NR1 SOCKET, STA	KNG PIN DRILLED WR	ONG						
6114		CESSNA		MCAULY		HUB	MIS DRILLED		7/1/96
		340CESSNA		3AF32C87		D7015C87	PROPELLER ASSY		EY2R9601576
	HUB STAKING PIN	N HOLE DRILLED WRO	NG						
6110		CESSNA		MCAULY		FEATHER CYLINDER	WORN		7/1/96
		402B		3AF32C87		C3550	PROPELLER ASSY		EY2R9601571
	PROP FEATHER C	YLINDER WORN							

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5110		CESSNA		MCAULY		FEATHER CYLINDER	WORN		7/1/96
		402B		3AF32C87		C3550	PROPELLER ASSY		EY2R9601572
	PROP FEATHER C	YLINDER WORN							
6114		CESSNA		MCAULY		HUB	DAMAGED		7/1/96
		402B		3AF32C87		D7015C87	PROPELLER ASSY		EY2R9601573
	HUB EXPANSION	HOLE TOO DEEP							
110		CESSNA		MCAULY		LINK ASSY	BENT		5/1/96
		414		3AF32C93		B4650	PROPELLER ASSY	453	EY2R9601501
	PROP LINK ASSY	IS BENT							
110		CESSNA		MCAULY		FEATHER CYLINDER	DEFECTIVE		6/1/96
		421		3AF34C92		C3550	PROPELLER ASSY		EY2R9601545
	PROP ASSY FEATI	HER ASSY .067 LARGER	THAN NORMAL						
110		CESSNA		MCAULY		PISTON ROD ASSY	WORN		5/1/96
		421		3FF32C501		D3474	PROPELLER ASSY		EY2R9601502
	PROP ASSY PISTO	N ROD ASSY IS WORN							
114		CESSNA		MCAULY		HUB	STRIPPED		4/1/96
		421		3AF34C92		D7019C92	PROPELLER ASSY		EY2R9601480
	PROP ASSY HUB DOWEL PIN HOLE STUD STRIPPED								
110		FRCHLD		HARTZL		COVER PLATE	BENT		7/1/96
		24R46		HC12V20*		127	PROPELLER ASSY		EY2R9601581
	PROP ASSY COVE	R PLATE BENT							
110		PIPER		HARTZL		SPRING	WORN		3/1/96
		PA23150		HC82VL2		884	PROPELLER ASSY		EY2R9601460
	PROP ASSY SPRIN	G WORN							
114		PIPER		HARTZL		HUB	DAMAGED	5125	5/1/96
		PA23150		HC82VL2		84059	PROPELLER ASSY	1111	EY2R9601507
	PROP HUB THREA	DS MISSING							
110		PIPER		HARTZL		PITCH CHANGE ROD	WORN		5/1/96
		PA30		HCE2YL2		24914S	PROPELLER ASSY		EY2R9601525
	PROP ASSY PITCH	CHANGE ROD WORN							
114		PIPER		HARTZL		HUB	DAMAGED		4/1/96
		PA31P		HCC3YN		3276	PROPELLER ASSY		EY2R9601489
	PROP ASSY HUB I	DAMAGED							
5110		PIPER		HARTZL		LOW STOP COLLAR	DAMAGED		7/1/96
		PA31T1		HCB3TN3		30012	PROPELLER ASSY		EY2R9601585
	CARBON BLOCK (CUT GROOVE IN BETA	RING						



INTERNATIONAL SERVICE DIFFICULTY REPORT



OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO		
2432		AIRTRC	PWA	HAMSTD	GILLBATT	CAP	FAULTY		10/31/97		
		AT301	R1340AN1	12D40	G88	G172942	BATTERY		AU971556		
	(AUS) BATTERY VENT CAP VULCANISED CLOSED. GAS BUILDUP CAUSED ACID TO VENT FROM AN ADJACENT CELL.										
2460		AIRTRC	PWA	HAMSTD		CIRCUIT BREAKER	DEFECTIVE		11/28/97		
		AT301	R1340AN1	12D40			DC POWER DIST		AU971494		
	(AUS) CIRCUIT BREAKERS FAULTY.										
2460		AIRTRC	PWA			CIRCUIT BREAKER	FAULTY		12/16/97		
		AT301	R1340AN1				DC POWER DIST		AU971559		
	(AUS) CIRCUIT BR	EAKERS FAULTY.									
460		AIRTRC	PWA	HAMSTD		CIRCUIT BREAKER	FAULTY		12/1/97		
		AT301	R1340AN1	22D40			DC POWER DIST		AU971495		
	(AUS) CIRCUIT BR	EAKERS FAULTY.									
2460		AIRTRC	PWA	HAMSTD		CIRCUIT BREAKER	DEFECTIVE		10/25/97		
		AT301	R1340AN1	12D40			DC POWER DIST		AU971493		
	(AUS) ALL CIRCUIT BREAKERS FAILED TO MEET MANUFACTURERS REQUIREMENTS.										
230		AMTR	ROTAX			TORQUE TUBE	DISTORTED		11/5/97		
		SEAREY	ROTAX912				MLG		AU971491		
	` '	EAR COLLAPSED. INVI RAFT IS AMATEUR BUI		THAT THE LANDING	GEAR TORQUE TU	BE ASSEMBLY WAS TWIS	TED WHEN THE AIRCRAFT	FELL OFF A	STAND DURING		
2110	` '			HARTZL	G GEAR TORQUE TU	BE ASSEMBLY WAS TWIS' BEARING	SEIZED	FELL OFF A	STAND DURING 9/24/97		
2110	` '	RAFT IS AMATEUR BUI	LT.		G GEAR TORQUE TU			FELL OFF A			
2110	ASSEMBLY. AIRCI	RAFT IS AMATEUR BUI BEECH 200BEECH	LT. PWA PT6A41 INVESTIGATION FO	HARTZL HCB3TN3	1131325	BEARING	SEIZED		9/24/97 AU971550		
	ASSEMBLY. AIRCI	RAFT IS AMATEUR BUI BEECH 200BEECH IONER BELT SNAPPED	LT. PWA PT6A41 INVESTIGATION FO	HARTZL HCB3TN3	1131325	BEARING	SEIZED CABIN AIR COMP		9/24/97 AU971550		
	ASSEMBLY. AIRCI	RAFT IS AMATEUR BUI BEECH 200BEECH IONER BELT SNAPPED RING WAS FOUND WE	LT. PWA PT6A41 INVESTIGATION FOLITION AND SEIZED.	HARTZL HCB3TN3 DUND THAT THE AIR	1131325	BEARING MPRESSOR WAS TIGHT TO	SEIZED CABIN AIR COMP TURN AND BINDING. THE		9/24/97 AU971550 WAS STRIPPED AN		
	ASSEMBLY. AIRCI	RAFT IS AMATEUR BUI BEECH 200BEECH IONER BELT SNAPPED RING WAS FOUND WE BEECH	PWA PT6A41 INVESTIGATION FOLDED AND SEIZED. PWA PT6A42	HARTZL HCB3TN3 DUND THAT THE AIR HARTZL	1131325	BEARING MPRESSOR WAS TIGHT TO DIODE	SEIZED CABIN AIR COMP TURN AND BINDING. THE SHORTED		9/24/97 AU971550 WAS STRIPPED AN		
2612	ASSEMBLY. AIRCI	RAFT IS AMATEUR BUI BEECH 200BEECH IONER BELT SNAPPED RING WAS FOUND WE BEECH 200BEECH	PWA PT6A41 INVESTIGATION FOLDED AND SEIZED. PWA PT6A42	HARTZL HCB3TN3 DUND THAT THE AIR HARTZL	1131325	BEARING MPRESSOR WAS TIGHT TO DIODE	SEIZED CABIN AIR COMP TURN AND BINDING. THE SHORTED		9/24/97 AU971550 WAS STRIPPED AN		
2612	ASSEMBLY. AIRCI	RAFT IS AMATEUR BUI BEECH 200BEECH TONER BELT SNAPPED RING WAS FOUND WE BEECH 200BEECH BOX DIODE SHORT CI	LT. PWA PT6A41 INVESTIGATION FOLDED AND SEIZED. PWA PT6A42 IRCUITED.	HARTZL HCB3TN3 DUND THAT THE AIR HARTZL HCB3TN3	1131325	BEARING MPRESSOR WAS TIGHT TO DIODE IN47	SEIZED CABIN AIR COMP TURN AND BINDING. THE SHORTED FIRE DETECTION		9/24/97 AU971550 7 WAS STRIPPED AN 12/2/97 AU971528		
2612	(AUS) AIRCONDITONE THRUST BEA	RAFT IS AMATEUR BUI BEECH 200BEECH IONER BELT SNAPPED RING WAS FOUND WE BEECH 200BEECH BOX DIODE SHORT CI BEECH 200BEECH	PWA PT6A41 INVESTIGATION FOLDED AND SEIZED. PWA PT6A42 IRCUITED. PWA PT6A41 SPRING STRETCHEE	HARTZL HCB3TN3 DUND THAT THE AIR HARTZL HCB3TN3 HARTZL HCB3TN3	1131325 CONDITIONING COL	BEARING MPRESSOR WAS TIGHT TO DIODE IN47 SPRING	SEIZED CABIN AIR COMP TURN AND BINDING. THE SHORTED FIRE DETECTION FAULTY	ASSEMBLY	9/24/97 AU971550 7 WAS STRIPPED AN 12/2/97 AU971528 11/26/97 AU971513		
2612	(AUS) AIRCONDITONE THRUST BEA	RAFT IS AMATEUR BUI BEECH 200BEECH IONER BELT SNAPPED RING WAS FOUND WE BEECH 200BEECH BOX DIODE SHORT CI BEECH 200BEECH	PWA PT6A41 INVESTIGATION FOLDED AND SEIZED. PWA PT6A42 IRCUITED. PWA PT6A41 SPRING STRETCHEE	HARTZL HCB3TN3 DUND THAT THE AIR HARTZL HCB3TN3 HARTZL HCB3TN3	1131325 CONDITIONING COL	BEARING MPRESSOR WAS TIGHT TO DIODE IN47 SPRING	SEIZED CABIN AIR COMP TURN AND BINDING. THE SHORTED FIRE DETECTION FAULTY RUDDER CONTROL	ASSEMBLY	9/24/97 AU971550 7 WAS STRIPPED AN 12/2/97 AU971528 11/26/97 AU971513		
2612 2720	(AUS) AIRCONDITONE THRUST BEA	RAFT IS AMATEUR BUI BEECH 200BEECH IONER BELT SNAPPED RING WAS FOUND WE BEECH 200BEECH BOX DIODE SHORT CI BEECH 200BEECH DOST CABLE TENSION BULKHEAD WAS ALSO	PWA PT6A41 INVESTIGATION FOLDED AND SEIZED. PWA PT6A42 IRCUITED. PWA PT6A41 SPRING STRETCHEE	HARTZL HCB3TN3 DUND THAT THE AIR HARTZL HCB3TN3 HARTZL HCB3TN3	1131325 CONDITIONING COL	BEARING MPRESSOR WAS TIGHT TO DIODE IN47 SPRING ALLOWED THE RUDDER B	SEIZED CABIN AIR COMP TURN AND BINDING. THE SHORTED FIRE DETECTION FAULTY RUDDER CONTROL OOST ACTUATOR ARM TO	ASSEMBLY	9/24/97 AU971550 WAS STRIPPED AND 12/2/97 AU971528 11/26/97 AU971513 R THE LIP OF THE		
2612 2720	(AUS) AIRCONDITONE THRUST BEA (AUS) FIRE AUDIC (AUS) RUDDER BOBULKHEAD. THE I	RAFT IS AMATEUR BUI BEECH 200BEECH IONER BELT SNAPPED RING WAS FOUND WE BEECH 200BEECH DOST CABLE TENSION BULKHEAD WAS ALSO BEECH 200BEECH 200BEECH	PWA PT6A41 PWA PT6A41 PWA PT6A42 PWA PT6A42 PWA PT6A41 PWA PT6A41 PWA PT6A41 PWA PT6A41 PAMAGED.	HARTZL HCB3TN3 DUND THAT THE AIR HARTZL HCB3TN3 HARTZL HCB3TN3 D. INCORRECT TENSION	1131325 CONDITIONING COL 1015241863 ON ON THE CABLE A	BEARING MPRESSOR WAS TIGHT TO DIODE IN47 SPRING ALLOWED THE RUDDER B LANDING GEAR NG RETRACTION WITH EX	SEIZED CABIN AIR COMP TURN AND BINDING. THE SHORTED FIRE DETECTION FAULTY RUDDER CONTROL OOST ACTUATOR ARM TO	ASSEMBLY JAM UNDE	9/24/97 AU971550 Y WAS STRIPPED AN 12/2/97 AU971528 11/26/97 AU971513 R THE LIP OF THE 12/16/97 AU971572 E UNSAFE LIGHT		
2612 2720 3230	(AUS) AIRCONDITONE THRUST BEA (AUS) FIRE AUDIC (AUS) RUDDER BOBULKHEAD. THE I	RAFT IS AMATEUR BUI BEECH 200BEECH IONER BELT SNAPPED RING WAS FOUND WE BEECH 200BEECH DOST CABLE TENSION BULKHEAD WAS ALSO BEECH 200BEECH 200BEECH E-OFF THE LG WAS SEE HEN GEAR APPEARED	PWA PT6A41 PWA PT6A41 PWA PT6A42 PWA PT6A42 PWA PT6A41 PWA PT6A41 PWA PT6A41 PWA PT6A41 PAMAGED.	HARTZL HCB3TN3 DUND THAT THE AIR HARTZL HCB3TN3 HARTZL HCB3TN3 D. INCORRECT TENSION	1131325 CONDITIONING COL 1015241863 ON ON THE CABLE A	BEARING MPRESSOR WAS TIGHT TO DIODE IN47 SPRING ALLOWED THE RUDDER B LANDING GEAR NG RETRACTION WITH EX	SEIZED CABIN AIR COMP TURN AND BINDING. THE SHORTED FIRE DETECTION FAULTY RUDDER CONTROL OOST ACTUATOR ARM TO MALFUNCTION GEAR RETRACT SYS FENDED WINDING TIME - R	ASSEMBLY JAM UNDE	9/24/97 AU971550 Y WAS STRIPPED AN 12/2/97 AU971528 11/26/97 AU971513 R THE LIP OF THE 12/16/97 AU971572 E UNSAFE LIGHT		
2110 2612 2720 3230	(AUS) AIRCONDITONE THRUST BEA (AUS) FIRE AUDIC (AUS) RUDDER BOBULKHEAD. THE I	RAFT IS AMATEUR BUI BEECH 200BEECH IONER BELT SNAPPED RING WAS FOUND WE BEECH 200BEECH 200BEECH 200BEECH 200BEECH 200BEECH 200BEECH 200BEECH 200BEECH 200BEECH 200BEECH 200BEECH	PWA PT6A41 INVESTIGATION FOLDED AND SEIZED. PWA PT6A42 IRCUITED. PWA PT6A41 SPRING STRETCHEE DAMAGED. LECTED UP AND VIETO BE UP. GROUND CKETS WERE ALSO I	HARTZL HCB3TN3 DUND THAT THE AIR HARTZL HCB3TN3 HARTZL HCB3TN3 D. INCORRECT TENSION	1131325 CONDITIONING COL 1015241863 ON ON THE CABLE A	BEARING MPRESSOR WAS TIGHT TO DIODE IN47 SPRING ALLOWED THE RUDDER B LANDING GEAR NG RETRACTION WITH EX' CE THE PROBLEM. GEAR M	SEIZED CABIN AIR COMP TURN AND BINDING. THE SHORTED FIRE DETECTION FAULTY RUDDER CONTROL OOST ACTUATOR ARM TO MALFUNCTION GEAR RETRACT SYS TENDED WINDING TIME - R HICROSWITCHES WERE CHE	ASSEMBLY JAM UNDE	9/24/97 AU971550 7 WAS STRIPPED AND 12/2/97 AU971528 11/26/97 AU971513 R THE LIP OF THE 12/16/97 AU971572 E UNSAFE LIGHT ADJUSTMENT/WEA		

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3520		BEECH	PWA			HOSE	FAILED		12/3/97
		B200C	PT6A42			1138495	PASSENGER OXYGEN		AU971563
	` '	STEM ON/OFF CONTR ALLOWING THE OXY			MAINED ON FOR AN	NEXTENDED TIME CAUSII	NG THE SUPPLY HOSE TO TH	IE CASUAI	TY OXYGEN MASK
5610		BEECH	PWA			WINDSHIELD	BIRD STRIKE		11/8/97
		B200C	PT6A42				COCKPIT RT		AU971515
	(AUS) BIRDSTRIKI	E ON RH WINDSCREEN	I. NIL DAMAGE.						
7333		BEECH			GULL	TRANSMITTER	FAILED		12/15/97
		200BEECH			903800097	849E	FUEL FLOW SENSOR		AU971573
	` '	IGHT THE LH ENGINE JEL TRANSMITTER WA		REDUCED INDICATION	ON FROM 550PPH TO) 100PPH AND DIDN'T ALT	ER WITH POWER CHANGES.	GROUND	INVESTIGATION
7714		BEECH	PWA			TACHOMETER	DEFECTIVE		12/18/97
		200BEECH	PT6A41		503800343	A8266	ENGINE RPM IND		AU971578
	FURTHER INVEST	IGATION FOUND THA	T THE CASE HAD BE	EN SEALED WITH RT	V TYPE SEALANT A		IDENCE OF MOISTURE CON' SOLDER SEALED. ON TESTI ROR.		,
5341		BEECH	CONT			FRAME	MIS REPAIR		11/27/97
		A23	IO346A			16941318	WING ATTACH		AU971474
	` '	TO WING ATTACHMEN NTENANCE ERROR. UN			DIUS AND INCORRE	CT RIVET FITTED TO THE	FORWARD WING MAIN SPA	R SUPPOR	Т.
5512		BEECH	CONT			STABILIZER	INCORRECT MOD		11/27/97
		A23	IO346A			169621661	HORIZ STAB		AU971475
	(AUS) STABILATO 1167.	R INCORRECTLY MOI	DIFIED IAW SI 1167. T	THE STABILISER HAD	ONLY TWO INSPEC	TION PANELS FITTED TO	THE UNDERSIDE INSTEAD (OF THE FO	UR STIPULATED IN SI
5730		BEECH	CONT			PANEL	INCORRECT MOD		11/27/97
		A23	IO346A		110000663	16911686	WING INSP PANEL		AU971477
	` '	ECTION PANELS INCO NG ACCESS DIFFICULT		035 REV11 STIPULAT	ES THE PANELS SHO	OULD BE 127MM (5IN) IN E	DIAMETER BUT THOSE FITTE	ED ARE ON	LY 100MM (4IN)
3411		BEECH	CONT	MCAULY		FILTER	CRACKED		11/27/97
		F33A	IO520B	3A32C76		RA1JA7	DIRECTIONAL GYRO		AU971486
	(AUS) INLINE PRE	SSURE FILTER TO DIR	GYRO CRACKED AN	ID LEAKING.					
3710		BEECH	CONT	MCAULY		FILTER	CRACKED		12/9/97
		F33A	IO520BA	2A36C23		RAIJ47	VACUUM DIST SYS		AU971525
	(AUS) VACUUM S	YSTEM CLEAR INLINE	PRESSURE FILTER O	CRACKED AROUND JO	DINT.				
7100		BEECH	CONT	MCAULY		HOSE	FAULTY		11/21/97
		35C33	IO470K	2A36C23			POWERPLANT SYS		AU971466
	(AUS) ALL FLUID	HOSES IN ENGINE COM	MPARTMENT NOT PI	ROTECTED BY FIRE S	LEEVES. PERSONNE	L/MAINTENANCE ERROR			
5730		BEECH	CONT	MCAULY	BEECH	RIVET	DAMAGED		11/14/97
		A36	IO520BA	2A36C23	E3052	E352	LT RT WING SKIN		AU971469
	` '	WING UPPER SKIN AT NE SURFACE TREATM			EE WHEREBY UP TO	0 2/3 OF THE RADIUS MAT	ERIAL HAS BEEN REMOVED	. THE SANI	DING HAS ALSO

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3233		BEECH		MCAULY		ACTUATOR	BROKEN		11/19/97		
		58		3AF32C512		35825944	NLG		AU971431		
	(AUS) NOSE LAND	DING GEAR RETRACTION	ON ACTUATOR AFT	ATTACHMENT LUG B	ROKEN OFF.						
3260		BEECH	CONT			WIRE	BROKEN		11/11/97		
		58	IO520C				MLG POS	10552	AU971502		
	(AUS) NOSE LAND	DING GEAR INDICATOR	R ARM ACTUATING	WIRE BROKEN.							
5210		BEECH		MCAULY		HINGE	BROKEN		12/5/97		
		58		3AF32C512		3541818	PASS DOOR		AU971521		
	(AUS) MAIN CABI CONTACT.	(AUS) MAIN CABIN DOOR UPPER FORWARD HINGE FRACTURED AT THE HINGE BOLT HOLE. SUSPECT INITIATED BY INTERGRANULAR CORROSION DUE TO DISSIMILAR METAL									
5522		BEECH	CONT		BEECH	SKIN	CRACKED		11/7/97		
		58	IO520C		96610006	96616911112	RT ELEV OUTB	6357	AU971548		
	` /						RAILING EDGE, THE CRAC KINS ARE MADE OF MAGN		` '		
2701		BEECH				TORQUE TUBE	SEPARATED		11/28/97		
		76				1695241879	PILOT CONTROL		AU971545		
	(AUS) PILOTS SID	E CONTROL COLUMN	TORQUE TUBE BROI	KE OFF AT RIVETED J	OINT DURING FLIG	HT.					
2731		BNORM	LYC	HARTZL		TRIM BOX	CRACKED		11/20/97		
		BN2A26	IO540K1B5	HCC2YK2			ELEV TAB CONT		AU971447		
	(AUS) ELEVATOR	TRIM BOX CRACKED.									
3250		BNORM	LYC	HARTZL		RING	CRACKED		11/20/97		
		BN2A26	IO540K1B5	HCC2YK2		NB4199	NLG STEERING		AU971446		
	(AUS) NOSE WHEI	EL STEERING DRIVE R	ING CRACKED. FOU	ND DURING INSPECTI	ION IAW SB 214 ISSU	TE 1.					
5410		BNORM	LYC	HARTZL		WEB	CRACKED		11/20/97		
		BN2A26	IO540K1B5	HCC2YK2		NB21843	NAC LT & RT		AU971450		
	(AUS) NACELLE L	H AND RH WEBS CRAC	CKED. FOUND DURIN	NG INSPECTION IAW S	SB200.						
5410		BNORM	LYC	HARTZL		ANGLE	CRACKED		11/20/97		
		BN2A26	IO540K1B5	HCC2YK2	NB203721	NB23721	LT NACELLE		AU971449		
	(AUS) LH NACELL	E BOX ANGLE LOCAT	ED FORWARD OF PN	IO NB-20-C-5677 CRAC	CKED.						
5510		BNORM	LYC	HARTZL		STABILIZER	CORRODED		11/20/97		
		BN2A26	IO540K1B5	HCC2YK2			HORIZ STAB		AU971454		
	(AUS) HORIZONTA	AL STABILISER CORRO	DDED.								
5520		BNORM	LYC	HARTZL		ELEVATOR	CORRODED		11/20/97		
		BN2A26	IO540K1B5	HCC2YK2			ELEV STRUCTURE		AU971453		
	(AUS) ELEVATOR	CORRODED.									
5521		BNORM	LYC	HARTZL		RIB	CRACKED		11/20/97		
		BN2A26	IO540K1B5	HCC2YK2		NB3151	ELEVATOR		AU971448		
	(AUS) ELEVATOR	RIB CRACKED. LOOSE	AND MISSING RIVE	TS.							

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5711		BNORM				SPAR	CRACKED		12/22/97
		BN2A26					WING		AU971580
	(AUS) WING SPAR	HAS CRACKS RANGIN	IG FROM 12.7MM (0.5	IN) TO OVER 25.4MM	(1IN). FOUND IAW	PBN SB 237.			
5720		BNORM	LYC	HARTZL		FLAP SHROUD	CORRODED		11/20/97
		BN2A26	IO540K1B5	HCC2YK2			LT RT WING		AU971445
	(AUS) LH AND RH	WINGS CONTAINED C	ORROSION IN AREA	S OF FLAP SHROUDS	AND REAR BAYS.				
5102		CAMRON				GIMBLE	DAMAGED		6/1/97
		A315					BALLOON BURNER		AU970816
	()	BURNER GIMBLE BLOC OVED MAINTENANCE	K DAMAGED - SUSP	ECT CAUSED BY UNA	AUTHORIZED DISAS	SEMBLY AND ASSEMBLY	BY UNQUALIFIED PERSONN	IEL -PERSO	ONNEL/MAINTENANCE
2810		CESSNA				VALVE	FAILED		11/17/97
		150M				7161246	FUEL VENT		AU971579
	(AUS) ENGINE STO	OPPED DURING CRUISE	E. INVESTIGATION F	OUND A RESTRICTION	ON (AN INSECT) IN T	THE LH FUEL TANK VENT	TUBE. ALSO, THE VENT TUE	BE VALVE	WAS 'STICKY'.
5541		CESSNA	LYC	MCAULY		SPAR	CRACKED		2/19/97
		172RG	O360F1A6	B2D34C220		5331513	RUDDER		AU971378
	(AUS) RUDDER SP	AR CRACKED ADJACE	NT TO TOP HINGE P	OINT.					
3230		CESSNA	LYC	MCAULY		PAD	MISSING		10/17/97
		177RG	IO360A1B6	B2D34C207		24136	LANDING GEAR		AU971389
	(AUS) LANDING G DELAMINATION.	EAR PADS MISSING. PA	ADS ARE VULCANIS	ED/BONDED TO A STI	EELSHELL. CORROS	SION APPEARS TO HAVE S	PREAD BETWEEN THE PAD A	AND THE S	HELL CAUSING
3230		CESSNA	LYC	MCAULY		PIN	DISTORTED		10/17/97
		177RG	IO360A1B6	B2D34C207		MS16555354	MLG DWNLOCK		AU971390
		SEAR DOWNLOCK PINS TO BE MANUFACTURE					REMOVED AND COMPARED	ТО ТНЕ Б	REPLACEMENT ITEMS
7922		CESSNA	LYC	MCAULY	LYC	VALVE	DAMAGED		10/17/97
		177RG	IO360A1B6	B2D34C207		75944	THERMO BYPASS		AU971391
	()	L COOLER BYPASS VAI 5 WHICH WAS OVERDU	, ,				H WAS ALSO DAMAGED. FO	UND DURI	NG INSPECTION IAW
2810		CESSNA	CONT	MCAULY		FUEL SYSTEM	CONTAMINATED		10/26/97
		182H	O470R	2A34C66			FUEL STORAGE		AU971434
	(AUS) FUEL SYSTI	EM CONTAMINATED B	Y WATER. ENGINE F	AILURE RESULTED I	N FORCED LANDING	G.			
3211		CESSNA	CONT			SUPPORT	CRACKED		9/26/97
		182A	O470L			5411212	MLG		AU971397
	(AUS) LANDING G	EAR SUPPORT CRACK	ED.						
5312		CESSNA		MCAULY		BULKHEAD	CRACKED		10/17/97
		182P		2A34C203		713683	LT DOOR POST		AU971371
	(AUS) FORWARD	DOOR POST BULKHEA	D CRACKED IN RELI	EF NOTCH ON LH SID	E.AIRCRAFT IS USE	ED FOR PARACHUTING OP	ERATIONS.		

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
5312		CESSNA	CONT	MCAULY		BULKHEAD	CRACKED		2/10/97
		182Q	O470R	2A34C203		713683	DOOR POST		AU971218
	(AUS) FUSELAGE	DOOR POST BULKHEA	D CRACKED IN ARI	EA OF STRESS RELIEF	NOTCH. CRACK LEI	NGTH 3.175MM (0.125IN). I	FOUND DURING INVESTIGATI	ON IAW A	AD/180/75 AMDT1.
2436		CESSNA	CONT	MCAULY		REGULATOR	FAILED		6/30/97
		U206G	IO520F	D3A32C90		DGR3	DC GEN SYS		AU971274
	(AUS) REGULATO	R (20FF) FAILED DUE T	TO SHORT CIRCUIT.	SUSPECT CAUSED BY	FAULTY ALTERNA	TOR.			
3246		CESSNA				BOLT	FAILED		11/29/97
		210N				AN547	NLG ATTACH		AU971517
	(AUS) NOSE WHEI	EL ATTACHMENT BOL	Γ FAILED. WHEEL T	WISTED IN NLG FORK	. SUSPECT BROKEN	BOLT.			
3213		CESSNA	CONT	MCAULY		TORQUE LINK	SEPARATED		11/16/97
		310R	IO520M	3AF32C87		514159	LT MLG		AU971519
						TRE HINGE BOLT COMPLI MMING OF THE CENTRE	ETE WITH NUT, SPLIT PIN, BUS HINGE POINT.	SHES AND	WASHERS PULLED
3260		CESSNA	CONT	MCAULY		WIRE	BROKEN		10/7/97
		310R	IO520M	3AF32C87			LT MLG POS		AU971433
	(AUS) LH MAIN LA	ANDING GEAR DOWNL	OCK MICROSWITC	H WIRE BROKEN.					
3260		CESSNA	CONT	MCAULY		SWITCH	FAULTY		3/14/97
		310R	IO520M	3AF32C87		ISET3	RT MLG DWNLOCK		AU971272
	(AUS) RH MAIN LA INCORRECTLY W		OCK MICROSWITC	H AND WIRING DETER	RIORATED DUE TO A	AGE. FURTHER INVESTIG	ATION FOUND THE RH MLG D	OWNLOC	K SYSTEM
3260		CESSNA	CONT	MCAULY		SWITCH	BROKEN		11/27/97
3260		CESSNA 310R	CONT IO520M	MCAULY 3AF32C87		SWITCH 1SE13	BROKEN RT MLG DWNLOCK		11/27/97 AU971473
3260	(AUS) RH MAIN LA		IO520M	3AF32C87	7 .				
3260 2933	(AUS) RH MAIN LA	310R	IO520M	3AF32C87	3 .				
	(AUS) RH MAIN LA	310R ANDING GEAR DOWNL	IO520M OCK MICROSWITC	3AF32C87 H LEVER BROKEN OFF	٦.	1SE13	RT MLG DWNLOCK		AU971473
		310R ANDING GEAR DOWNL CESSNA 402C	IO520M OCK MICROSWITC CONT TSIO520VB	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505		SIGHT GLASS	RT MLG DWNLOCK DAMAGED	/ICEABLE	AU971473 9/30/97 AU971399
		310R ANDING GEAR DOWNL CESSNA 402C	IO520M OCK MICROSWITC CONT TSIO520VB	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505		SIGHT GLASS	RT MLG DWNLOCK DAMAGED HYD QUANTITY	'ICEABLE	AU971473 9/30/97 AU971399
2933		310R ANDING GEAR DOWNL CESSNA 402C ULIC RESERVOIR SIGH	IO520M OCK MICROSWITC CONT TSIO520VB	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505 LEAKING FLUID UNDI		1SE13 SIGHT GLASS RAULIC CONTROL VALVE	RT MLG DWNLOCK DAMAGED HYD QUANTITY E ALSO FOUND TO BE UNSERV	/ICEABLE	AU971473 9/30/97 AU971399
2933	(AUS) RH HYDRAI	310R ANDING GEAR DOWNL CESSNA 402C ULIC RESERVOIR SIGH	IO520M OCK MICROSWITC CONT TSIO520VB IT TUBE SPLIT AND	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505 LEAKING FLUID UNDI MCAULY 3AF32C87	ER PRESSURE. HYDI	1SE13 SIGHT GLASS RAULIC CONTROL VALVE FORK	RT MLG DWNLOCK DAMAGED HYD QUANTITY E ALSO FOUND TO BE UNSERV	'ICEABLE	9/30/97 AU971399
2933	(AUS) RH HYDRAI	310R ANDING GEAR DOWNL CESSNA 402C ULIC RESERVOIR SIGHT CESSNA 402B	IO520M OCK MICROSWITC CONT TSIO520VB IT TUBE SPLIT AND	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505 LEAKING FLUID UNDI MCAULY 3AF32C87	ER PRESSURE. HYDI	1SE13 SIGHT GLASS RAULIC CONTROL VALVE FORK	RT MLG DWNLOCK DAMAGED HYD QUANTITY E ALSO FOUND TO BE UNSERV	'ICEABLE	9/30/97 AU971399
2933 3222	(AUS) RH HYDRAI	310R ANDING GEAR DOWNL CESSNA 402C ULIC RESERVOIR SIGH CESSNA 402B DING GEAR FORK END	IO520M OCK MICROSWITC CONT TSIO520VB IT TUBE SPLIT AND	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505 LEAKING FLUID UNDI MCAULY 3AF32C87 D. NLG FAILED TO LOC	ER PRESSURE. HYDI	SIGHT GLASS RAULIC CONTROL VALVE FORK 5452112	RT MLG DWNLOCK DAMAGED HYD QUANTITY E ALSO FOUND TO BE UNSERV FAILED NLG FORK FITTING	'ICEABLE	AU971473 9/30/97 AU971399 11/24/97 AU971457
2933 3222	(AUS) RH HYDRAI	310R ANDING GEAR DOWNL CESSNA 402C ULIC RESERVOIR SIGHT CESSNA 402B DING GEAR FORK END CESSNA 402B	IO520M OCK MICROSWITC CONT TSIO520VB I TUBE SPLIT AND	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505 LEAKING FLUID UNDI MCAULY 3AF32C87 D. NLG FAILED TO LOC MCAULY 3AF32C87	ER PRESSURE. HYDI CK DOWN.	SIGHT GLASS RAULIC CONTROL VALVE FORK 5452112 BELLCRANK 84116	RT MLG DWNLOCK DAMAGED HYD QUANTITY E ALSO FOUND TO BE UNSERV FAILED NLG FORK FITTING CRACKED		9/30/97 AU971399 11/24/97 AU971457
2933 3222	(AUS) RH HYDRAI	310R ANDING GEAR DOWNL CESSNA 402C ULIC RESERVOIR SIGHT CESSNA 402B DING GEAR FORK END CESSNA 402B	IO520M OCK MICROSWITC CONT TSIO520VB I TUBE SPLIT AND	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505 LEAKING FLUID UNDI MCAULY 3AF32C87 D. NLG FAILED TO LOC MCAULY 3AF32C87	ER PRESSURE. HYDI CK DOWN.	SIGHT GLASS RAULIC CONTROL VALVE FORK 5452112 BELLCRANK 84116	RT MLG DWNLOCK DAMAGED HYD QUANTITY E ALSO FOUND TO BE UNSERV FAILED NLG FORK FITTING CRACKED MLG RT DOOR		9/30/97 AU971399 11/24/97 AU971457
2933 3222 3231	(AUS) RH HYDRAI	310R ANDING GEAR DOWNL CESSNA 402C ULIC RESERVOIR SIGH CESSNA 402B DING GEAR FORK END CESSNA 402B ANDING GEAR DOOR II	IO520M OCK MICROSWITC CONT TSIO520VB I TUBE SPLIT AND	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505 LEAKING FLUID UNDI MCAULY 3AF32C87 D. NLG FAILED TO LOC MCAULY 3AF32C87 BROKEN. FURTHER IN	ER PRESSURE. HYDI CK DOWN.	SIGHT GLASS RAULIC CONTROL VALVE FORK 5452112 BELLCRANK 84116 ND THE LH IDLER BELLC	RT MLG DWNLOCK DAMAGED HYD QUANTITY E ALSO FOUND TO BE UNSERV FAILED NLG FORK FITTING CRACKED MLG RT DOOR RANK CRACKED IN THE SAMI		AU971473 9/30/97 AU971399 . 11/24/97 AU971457 9/15/97 AU971387
2933 3222 3231	(AUS) RH HYDRAI (AUS) NOSE LANE (AUS) RH MAIN LA	310R ANDING GEAR DOWNL CESSNA 402C ULIC RESERVOIR SIGHT CESSNA 402B DING GEAR FORK END TO CESSNA 402B ANDING GEAR DOOR II CESSNA	IO520M OCK MICROSWITC CONT TSIO520VB I TUBE SPLIT AND FITTINGS CRACKEI	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505 LEAKING FLUID UNDI MCAULY 3AF32C87 D. NLG FAILED TO LOO MCAULY 3AF32C87 BROKEN. FURTHER IN MCAULY 3FF32C501	ER PRESSURE. HYDI CK DOWN.	SIGHT GLASS RAULIC CONTROL VALVE FORK 5452112 BELLCRANK 84116 ND THE LH IDLER BELLC WIRE	RT MLG DWNLOCK DAMAGED HYD QUANTITY E ALSO FOUND TO BE UNSERV FAILED NLG FORK FITTING CRACKED MLG RT DOOR RANK CRACKED IN THE SAMI		AU971473 9/30/97 AU971399 11/24/97 AU971457 9/15/97 AU971387
2933 3222 3231	(AUS) RH HYDRAI (AUS) NOSE LANE (AUS) RH MAIN LA	310R ANDING GEAR DOWNL CESSNA 402C ULIC RESERVOIR SIGHT CESSNA 402B DING GEAR FORK END CESSNA 402B ANDING GEAR DOOR II CESSNA 404CESSNA	IO520M OCK MICROSWITC CONT TSIO520VB I TUBE SPLIT AND FITTINGS CRACKEI	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505 LEAKING FLUID UNDI MCAULY 3AF32C87 D. NLG FAILED TO LOO MCAULY 3AF32C87 BROKEN. FURTHER IN MCAULY 3FF32C501	ER PRESSURE. HYDI CK DOWN.	SIGHT GLASS RAULIC CONTROL VALVE FORK 5452112 BELLCRANK 84116 ND THE LH IDLER BELLC WIRE	RT MLG DWNLOCK DAMAGED HYD QUANTITY E ALSO FOUND TO BE UNSERV FAILED NLG FORK FITTING CRACKED MLG RT DOOR RANK CRACKED IN THE SAMI		AU971473 9/30/97 AU971399 11/24/97 AU971457 9/15/97 AU971387
2933 3222 3231 3260	(AUS) RH HYDRAI (AUS) NOSE LANE (AUS) RH MAIN LA	310R ANDING GEAR DOWNL CESSNA 402C ULIC RESERVOIR SIGH CESSNA 402B DING GEAR FORK END CESSNA 402B ANDING GEAR DOOR II CESSNA 404CESSNA A04CESSNA ANDING GEAR DOWNL	IO520M OCK MICROSWITC CONT TSIO520VB I TUBE SPLIT AND FITTINGS CRACKEI	3AF32C87 H LEVER BROKEN OFF MCAULY 3AF32C505 LEAKING FLUID UNDI MCAULY 3AF32C87 D. NLG FAILED TO LOC MCAULY 3AF32C87 BROKEN. FURTHER IN MCAULY 3FF32C501 H EARTH WIRE (NO4) I	ER PRESSURE. HYDI CK DOWN.	SIGHT GLASS RAULIC CONTROL VALVE FORK 5452112 BELLCRANK 84116 ND THE LH IDLER BELLC WIRE NAL.	RT MLG DWNLOCK DAMAGED HYD QUANTITY E ALSO FOUND TO BE UNSERV FAILED NLG FORK FITTING CRACKED MLG RT DOOR RANK CRACKED IN THE SAMI BROKEN LT MLG POS		AU971473 9/30/97 AU971399 . 11/24/97 AU971457 9/15/97 AU971387 11/12/97 AU971435

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5210		CESSNA		HARTZL		НООК	BROKEN		11/26/97
		441		HCB3TN5		239425413	CABIN DOOR UPPER		AU971509
	(AUS) CABIN DOO	R UPPER HOOK BROKI	EN.						
3213		CESSNA	PWA		CESSNA	SLEEVE	BROKEN		11/14/97
		550	JT15D4		6541000003	5541397	LT MLG OLEO		AU971549
	'					. LATER THE OLEO EXTEN LOWER SLEEVE PNO 55413	NDED ALLOWING GEAR RET 309-7.	RACTION.	THE OLEO WAS
5246		CESSNA				DOOR	SEPARATED		12/10/97
		550				65523121	FLUID SERVICE		AU971544
	(AUS) LH ENGINE	OIL ACCESS DOOR MI	SSING. CREW HAD R	EPORTED NOISE DUI	RING FLIGHT				
5712		DHAV	LYC			RIB	CRACKED		11/20/97
		DHC1TMK10	IO360A1A			C1W317A1	RT WING		AU971523
	(AUS) RH WING RO	OOT RIB CRACKED IN	AREA OF FLAP CABI	LE PULLEY ATTACHN	MENT.				
343		MUDRY	LYC	HOFMAN		FITTING	CRACKED		11/20/97
		CAP10B	AEIO360B2F	HO29HM180			LT RT FWD ATTACH		AU971482
	(AUS) LH AND RH	FORWARD UNDERCA	RRIAGE ATTACHME	NT BLOCKS CRACKE	D. FOUND DURING	INSPECTION IAW SB15 2(E	3).		
2710		PARTEN	LYC	HARTZL		CABLE	FRAYED		11/3/97
		P68B	IO360A1B6	HCC2YK2		6852195	AILERON CONTROL		AU971407
	(AUS) LH AILERON	N BALANCE CABLE ST	RANDS BROKEN. FO	UND DURING INSPEC	CTIONIAW AD/P68/44	4 (PARTENAVIA SB 75 REV	73).		
2710		PARTEN	LYC	HARTZL		CABLE	FRAYED		11/3/97
		P68B	IO360A1B6	HCC2YK2		6852193	AILERON CONTROL		AU971403
	(AUS) LH OUTBOA	ARD AILERON CABLE S	STRANDS BROKEN. F	FOUND DURING INSP	ECTION IAW AD/P68	3/44 (PARTENAVIA SB 75 R	EV3).		
2710		PARTEN	LYC	HARTZL		CABLE	FRAYED		11/3/97
		P68B	IO360A1B6	HCC2YK2		6852193	AILERON CONTROL		AU971406
	(AUS) RH AILERON	N OUTBOARD CONTRO	OL CABLE STRANDS	BROKEN. FOUND DU	RINGINSPECTION L	AW AD/P68/44 (PARTENAV	VIA SB 75 REV3).		
2710		PARTEN	LYC	HARTZL		CABLE	FRAYED		11/3/97
		P68B	IO360A1B6	HCC2YK2		6852196	AILERON CONTROL		AU971408
	(AUS) RH AILERON	N BALANCE CABLE ST	RANDS BROKEN. FO	OUND DURING INSPEC	CTIONIAW AD/P68/4	4 (PARTENAVIA SB 75 REV	/3).		
2730		PARTEN	LYC	HARTZL		CABLE	FRAYED		11/3/97
		P68B	IO360A1B6	HCC2YK2		6853211	ELEVATOR CONTROL		AU971409
	(AUS) RH FORWAF	RD ELEVATOR CABLE	STRANDS BROKEN.	FOUND DURING INSI	PECTION IAW AD/P6	8/44 (PARTENAVIA SB 75 I	REV3).		
2750		PARTEN	LYC	HARTZL		CABLE	FRAYED		11/3/97
		P68B	IO360A1B6	HCC2YK2		6855312	TE FLAP CONTROL		AU971410
	(AUS) RH FLAP CA	BLE STRANDS BROKE	EN. FOUND DURING I	INSPECTION IAW AD/	P68/44 (PARTENAVI	A SB 75 REV3).			
7120		PARTEN				BRACKET	CRACKED		12/18/97
		P68B					ENGINE MOUNT		AU971570
	· /	OUNT TO WING ATTAC 58-1.2025-3. FOUND IAV		` '	CRACKED:1. LH LO	WER INBOARD PNO 68-1.2	2027,2. RH UPPER INBOARD P	NO 68-1.20	25-1 AND 3. RH UPPE

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7160		PIPER	LYC			DOOR	SEPARATED		6/10/97	
		PA60600	IO540K1J5			31317	ENGINE AIR INT		AU971120	
	(AUS) ENGINE AL	TERNATE AIR DOOR S	EPARATED FROM IN	DUCTION AIR BOX A	SSEMBLY AND JAM	IMED THE THROTTLE BUT	ΓTERFLY			
3411		PIPER	CONT	MCAULY		LINE	DISCONNECTED		11/26/97	
		J3	A75*	1A103TCM			PITOT/STATIC SYS		AU971489	
	(AUS) STATIC LIN	E DISCONNECTED AT	REAR OF ASI. PERSO	NNEL/MAINTENANC	E ERROR.					
3213		PIPER	LYC	SNSNCH		CYLINDER	CRACKED		9/18/97	
		PA28151	O320D3G	74DM		653194	MLG		AU971405	
	(AUS) MAIN LANI	DING GEAR CYLINDER	CRACKED IN TORQU	JE LINK ATTACHME	NTPOINTS.					
5513		PIPER	LYC	HARTZL	PIPER	TRIM TAB	CRACKED		11/24/97	
		PA28235	O540B2B5	HCC2YK1		63585	HORIZ STAB		AU971465	
	(AUS) STABILATO	R TRIM TABS CRACKE	ED AT INBOARD END	ADJACENT TO THE	ACTUATING ARM A	TTACHMENT. CRACKING	EVIDENT IN SKIN PANELS A	ND INBOA	ARD RIB.	
7820		PIPER	LYC	SNSNCH		MUFFLER	CRACKED		11/10/97	
		PA28161	O320D3G	74DM		668943	ENGINE		AU971498	
	(AUS) MUFFLER B	AFFLE FAILED, PARTL	ALLY BLOCKING TH	E MUFFLER OUTLET.						
7920		PIPER	LYC	SNSNCH		HOSE	DETERIORATED		11/6/97	
		PA28180	O360A3A	76EM8		338	ENG OIL DIST		AU971488	
	(AUS) OIL COOLER HOSES (20FF) FAULTY. OIL SEEPING THROUGH FIRE SLEEVE.									
2710		PIPER				CABLE	BROKEN		12/15/97	
		PA31350				246317	LT AIL CONTROL		AU971565	
	'	· · · · · · · · · · · · · · · · · · ·					T. AILERONS STILL HAD FUL ER INTER-CONNECT CABLE I			
2810		PIPER		HARTZL		CAP	SEPARATED		12/1/97	
		PA31350		HCE3YR2		99321	FUEL STORAGE		AU971520	
	FILLER HOLE DUI		BS ON THE ADAPTE	R NOT ENGAGING IN	THE FILLER SLOT I	HOLES ALLOWING THE AI	THE ADAPTER RING WHICH DAPTER TO ROTATE AND CO			
3232		PIPER		HARTZL	OZONE	SPRING	BROKEN		11/6/97	
		PA31350		HCE3YR2		756265	LT MLG DOOR		AU971393	
	(AUS) LH MAIN LA	ANDING GEAR DOOR A	CTUATOR SPRING B	ROKEN.						
5520		PIPER		HARTZL		HINGE	CRACKED		10/11/97	
		PA31350		HCE3YR2		7172	ELEVATOR		AU971417	
	(AUS) LH ELEVAT	OR OUTBOARD HINGE	CRACKED AND RIV	ET SHEARED.						
7110		PIPER	LYC	HARTZL		COWLING	DEPARTED		11/10/97	
		PA31	TIO540A1A	HCE3YR2			ENGINE COWLING		AU971414	
	BOTTOM COWL W		HE FIRST FLIGHT AF	TER THE COWLS WE			OF THE OUTBOARD WING B 4. SUSPECT THAT THE COWI			

INTERNATIONAL	SERVICE DIFFICU	LTY REPORT SUMMAR'	Y - AIRCRAFT (cont'd)
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<u>INTERNA</u>	TIONAL SERVIC	E DIFFICULTY RE		1/18/98 To 1/24/98 ISSUE: 98-04 ZAC-327					
ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7120		PIPER	LYC	HARTZL		MOUNT	CRACKED		12/3/97
		PA31350	TIO540J2BD	HCE3YR2		7679	ENGINE MOUNT SEC		AU971575
	(AUS) RH LOWER (D/B ENGINE MOUNT CH	RACKED AT THE TUR	BOCHARGER MOUN	T HOLE.				
7120		PIPER	LYC	HARTZL		MOUNT	CRACKED		12/3/97
		PA31350	TIO540J2BD	HCE3YR2		12A1997	ENGINE MOUNT		AU971574
	(AUS) LH LOWER I	B ENGINE MOUNT CR.	ACKED AT THE TURE	OCHARGER MOUN	Γ HOLE.				
7922		PIPER	LYC			VALVE	FAULTY		11/13/97
		PA31	TIO540A2C			53E22144	OIL BYPASS		AU971538
	(AUS) ENGINE OIL	TEMPERATURE VALV	E FAULTY.						
7922		PIPER	LYC	HARTZL		VALVE	FAULTY		11/14/97
		PA31	TIO540A1B	HCE3YR2		53E22144	ENG OIL TEMP		AU971529
	(AUS) ENGINE OIL	COOLER BYPASS VAL	VE FAULTY.						

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5210		AEROSP	ALLSN			FITTING	CRACKED		10/12/97
		AS355F1	250C20F			35A2512682	PASS DOOR		AU971526
	(AUS) RH SLIDING PLACE BY A PASS		MOUNT CRACKED A	AND BROKEN. WHEN	THE DOOR WAS OF	PENED THE DOOR ATTEMP	TED TO SEPARATE FROM TI	HE AIRCRA	AFT BUT WAS HELD IN
7240		AEROSP	ALLSN			HEAT SHIELD	CRACKED		10/28/97
		AS355F1	250C20F			6894	NR 1 ENGINE		AU971377
	(AUS) NO1 ENGIN	E HEAT SHIELD CRACK	KED.						
5350		AEROSP	TMECA			FAIRING	CRACKED		6/13/97
		SA365C	ARRIEL1A			365A231424	FUSELAGE		AU970776
	(AUS) CONNECTIN	NG FAIRING CRACKED							
5313		BELL	ALLSN			FITTING	CRACKED		9/21/97
		206L	250C30P			263132914	AFT FUSELAGE		AU971392
	(AUS) AFT FUSEL	AGE LONGERON FITTIN	NG CRACKED.						
7210		BELL	PWA		PWA	COMBINING GRBOX	MAKING METAL		11/29/97
		212	PT6T3B			CPGB147	NR 1 ENGINE		AU971567
	(AUS) NO1 ENGIN	E CHIP ILLUMINATION	DURING CLIMB. INV	ESTIGATION FOUNI	O METAL FROM TH	E COMBINING GEARBOX TO	O BE OUTSIDE OF MANUFA	CTURERS I	LIMITS.
5345		BELL	PWA			FITTING	CRACKED		11/15/97
		412	PT6T3B			4124181	HOIST BEAM		AU971527
	(AUS) HOIST BEAL	M ATTACHMENT FITTI	NG CRACKED.						
6710		BELL	PWA		BELL	BOLT	INCORRECT PART		11/17/97
		412	PT6T3B			25743H	M/R CONTROL		AU971456
	WAS ATTACHED T NAS6604H5 WHICH	TO THE PIN WITH LOC	KWIRE. INVESTIGAT LONGER. THE REMA	ION FOUND THAT TI INING COLLECTIVE	HE BOLT PNO 20-05' LEVER PIN ALLOW	7-4-3H WAS THE INCORREC ED THE COLLECTIVE LEVE	SING. BOLT PNO 20-057-4-3F T PART, THE CORRECT PAR ER PNO 412-010-401-109 TO B	T NUMBE	R WAS PNO
7210		BELL	PWA			COMBINING GRBOX	MAKING METAL		11/2/97
		412	PT6T3B			CP6B2254	TURBINE ENGINE	2056	AU971423
	(AUS) ENGINE CO	MBINING GEARBOX M	ETAL CONTAMINAT	ION. SUSPECT CAUS	ED BY DETERIORA	ΓΙΟΝ OF BEARING CAGE.			
6322		BELL	LYC		BELL	COOLING FAN	CORRODED		11/8/97
		47G3B	TVO435D1B		47	47661297	ROTORCRAFT	359	AU971398
	` '						GULATOR COVER AND IMPA E TAIL ROTOR CONTROL CA		EREGULATOR
6710		BELL	LYC			BEARING	WORN		5/23/97
		47G3B1	VO435A1F			KSP4	MAIN ROTOR CONTR		AU971113
	(AUS) COLLECTIV	E LEVER FORWARD BI	EARING WORN. PERS	SONNEL/MAINTENAN	NCE ERROR.				
8120		BELL	LYC			TURBOCHARGER	FAILED		8/13/97
		47G3B	TVO435D1A			466115	EXH TURBO		AU971468
	(AUS) ENGINE TH			OUND THAT THE EXE	IAUST TURBINE HA	D BEEN SKIDDING ON THE			

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
8530		BELL	LYC			VALVE SEAT	SEPARATED		11/18/97
		47J2A	TVO435B1A				ENG NR 4 CYL EXH	160	AU971467
	(AUS) NO4 CYLINI CRACKED.	DER EXHAUST VALVE	SEAT SEPARATED F	ROM CYLINDER. NO2	CYLINDER EXHAU	ST VALVE AND VALVE G	UIDE UNSERVICEABLE. NO2	CYLINDE	R HEAD EXTENSIVELY
6220		HILLER	LYC		HILLER	PIN	CRACKED		11/7/97
		UH12E	VO540C2A			51452	MAIN ROTOR HEAD		AU971422
	(AUS) MAIN ROTO	R HEAD TENSION/TOR	RSION PIN CRACKED						
6310		HUGHES	LYC			HUB	MIS INSTALLED		10/31/97
		269C	HIO360D1A			269A546	ENG-TRANS		AU971478
	(AUS) ENGINE TO	TRANSMISSION UPPER	R CLUTCH HUB INST	ALLED THE WRONG	WAY AROUND. BEA	ARING SEAT SHOULDER S	HEARED OFF. PERSONNEL/M	1AINTENA	NCE ERROR.
6310		HUGHES	LYC			PULLEY	WORN		10/31/97
		269C	HIO360D1A			269A5582	ENG-TRANS		AU971481
	(AUS) DRIVE BELT	TIDLER PULLEY HAD	THE ANODIZED COA	TING WORN THROUG	GH IN ALL GROOVE	S.			
7112		HUGHES	LYC			SCROLL	FAILED		10/31/97
		269C	HIO360D1A			269A853311	ENG AIR BAFFLE		AU971480
	(AUS) ENGINE SCH IMPELLER.	ROLL ASSEMBLY LOW	ER MOUNT SEPARA	ΓED. UPPER RH BRAC	CKET PNO 269A8597	WAS ALSO FOUND TO BE	UNSERVICEABLE. THE SCR	OLL WAS F	OULING ON THE
7160		HUGHES	LYC			VALVE	ILLEGAL MOD		10/30/97
		269C	HIO360D1A			269A81523	ENGINE AIR INT		AU971476
	,	ΓERNATE AIR VALVE I √TENANCE ERROR. UN			SEALED CLOSED W	ITH SEALANT AND A PLA	STIC OIL BOTTLE WAS GLUI	ED OVER T	НЕ ТОР.
5311		ROBSIN	LYC			FRAME	CRACKED		11/14/97
		R22BETA	O320B2C			A22	FUSELAGE UPPER		AU971430
	(AUS) FUSELAGE	UPPER FRAME CRACK	ED IN WELD IN AREA	A DESCRIBED IN AD/I	R22/41 A1.				
5311		ROBSIN	LYC			FRAME	CRACKED		10/22/97
		R22BETA	O320B2C			A22	FUSELAGE		AU971388
	(AUS) FUSELAGE I	FRAME CRACKED. AIR	CRAFT IS USED IN M	IUSTERING OPERATION	ONS.				
5311		ROBSIN				FRAME	MIS REPAIR		11/17/97
		R22BETA				A22	TAILBOOM UPPER		AU971432
		ENT FUSELAGE UPPER VTENANCE ERROR.	FRAME CONTAINEL	UNAUTHORISED W	ELD REPAIR IN THE	AREA OF THE TAIL BOOM	A ATTACHMENT. UNAPPROV	/ED REPAII	₹.
5311		ROBSIN	LYC		ROBSIN	FRAME	CRACKED		6/24/97
		R22MARINER	O320B2C			A22	RT MLG GRBOX MT	1088	AU971484
	(AUS) FUSELAGE	UPPER FRAME TUBE F	ROM RH REAR MAIN	GEARBOX MOUNT F	PAD TO THE RH DEC	K BOLT CRACKED THRO	UGH WELD UNDER THE GEA	RBOX MO	JNT PAD.
			ATTONI		AEROSP	DRIVE BELT	LOOSE		10/18/97
2913		SNIAS	ALLSN		ALKOSI	DRIVEDELI	LOODL		10/10/97
2913		SNIAS AS350D	ALLSN 250C30		704A3431006	74A33694	HYDRAULIC PUMP		AU971487

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7240		AEROSP	ALLSN			HEAT SHIELD	CRACKED		10/28/97
		AS355F1	250C20F			6894	NR 1 ENGINE		AU971377
	(AUS) NO1 ENGIN	E HEAT SHIELD CRACE	KED.						
7200		AYRES	PWA	HARTZL	PWA	ENGINE	FAILED		12/30/97
		S2RT15NORMAL	PT6A15AG	HCB3TN3		PCE1434	POWER SECT		AU971582
	(AUS) ENGINE SUI	FFERED COMPLETE FA	ILURE DURING CRU	ISE - CAUSE UNKNOV	VN AT THIS STAGE.				
7414		BEECH	CONT		BENDIX	COIL	FAILED		11/27/97
		A23	IO346A		201205	13571651	ENG MAG		AU971479
	(AUS) LH AND RH	MAGNETO COILS BRE	AKING DOWN. MAG	NETO LEADS ALSO F	AULTY.				
8520		BEECH	CONT	MCAULY		CRANKSHAFT	BROKEN		11/27/97
		A36	IO520BA	3A32C76		649896	ENGINE	323	AU971547
	(AUS) ENGINE CR.	ANKSHAFT BROKEN.							
8520		BEECH	CONT	MCAULY		BOLT	BROKEN		11/3/97
		95C55	IO520C	3AF32C75		641931175	ENG NR 6 CYL		AU971536
	(AUS) LH NO6 CYI	LINDER UPPER THROU	GH BOLT BROKEN I	N LINE WITH THE CY	LINDER BASE FLAN	NGE.			
7210		BELL	PWA		PWA	COMBINING GRBOX	MAKING METAL		11/29/97
		212	PT6T3B			CPGB147	NR 1 ENGINE		AU971567
	(AUS) NO1 ENGIN	E CHIP ILLUMINATION	DURING CLIMB. IN	VESTIGATION FOUNI	METAL FROM THE	E COMBINING GEARBOX TO	O BE OUTSIDE OF MANUFA	CTURERS I	LIMITS.
7210		BELL	PWA			COMBINING GRBOX	MAKING METAL		11/2/97
		412	PT6T3B			CP6B2254	TURBINE ENGINE	2056	AU971423
	(AUS) ENGINE CO	MBINING GEARBOX M	ETAL CONTAMINAT	ΓΙΟΝ. SUSPECT CAUS	ED BY DETERIORAT	ΓΙΟΝ OF BEARING CAGE.			
8530		BELL	LYC			VALVE SEAT	SEPARATED		11/18/97
		47J2A	TVO435B1A				ENG NR 4 CYL EXH	160	AU971467
	(AUS) NO4 CYLINI CRACKED.	DER EXHAUST VALVE	SEAT SEPARATED F	FROM CYLINDER. NO2	CYLINDER EXHAU	ST VALVE AND VALVE GU	IDE UNSERVICEABLE. NO	2 CYLINDEF	HEAD EXTENSIVELY
8530		BNORM	LYC	HARTZL		VALVE SEAT	SEPARATED		7/21/97
		BN2B26	O540E4B5	HCC2YK2		JT162	ENG EXHAUST	2021	AU971541
	(AUS) EXHAUST V	ALVE SEAT SEPARATI	ED FROM CYLINDER	HEAD.					
8530		CESSNA	CONT			VALVE	STICKING		11/22/97
		150G	O200A			641917A12	NR 4 CYL EXH	518	AU971518
	(AUS) NO4 CYLINI	DER EXHAUST VALVE	STUCK OPEN. LOSS	OF POWER AND ROU	GH RUNNING RESU	LTED IN A FORCED LANDII	NG IN THE BUSH.		
8530		CESSNA	LYC		LYC	PUSHROD	LOOSE		12/21/97
		152	O235L2C		LW16703	7386P	NR 2 CYL EXH		AU971569
	` /	ORTED REDUCTION IN IROD SPLAYED AND C		UNNING IN FLIGHT.II	NVESTIGATION FOU	JND THE NO2 CYLINDER EX	XHAUST PUSHROD END FI	TTINGS WE	RE LOOSE, WITH ONE

OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
7414		CESSNA	CONT		SLICK	COIL	CRACKED		12/22/97
		175A	GO300A		667	M173	ENG RT MAGNETO	25	AU971581
	· /	ROXIMATELY 45 MINU ISMANTLED, AND THE				E RH MAGNETO WAS SHO	WING A 'DEAD CUT'. THEMA	AGNETO W.	AS SUBSEQUENTLY
7310		CESSNA	CONT	MCAULY		PIPE	CRACKED		10/27/97
		404CESSNA	GTSIO520M	3FF32C501		641486	LT ENG FUEL DIST		AU971429
	(AUS) LH ENGINE	FUEL INJECTOR PIPE F	BETWEEN MANIFOL	D AND INJECTOR CRA	ACKED IN AREA WH	IERE NIPPLE IS BRAZED T	O THE INJECTOR LINE.		
3530		DHAV	PWA	HAMSTD		VALVE	LEAKING		11/3/97
		DHC3	R134059	23D40		71167	NR 2 CYL EXH	979	AU971394
	(AUS) NO2 CYLINI	DER EXHAUST VALVE	LEAKING.						
7322		DHAVXX	DHAVXX			PIN	MISSING		12/7/97
		DH82AROBRTSN	GIPSYMAJOR1		A148HIM	CH14583	FUEL CONTROL		AU971531
	,	ON SECURING THROTT ROTTLE BUTTERFLY.	TLE LEVER PNO CH4	6158 TO THE THROT	ΓLE SPINDLE PNO C	H14470 MISSING. THIS AL	LOWED THE THROTTLE LE	VER TO MO	VE WITHOUT
3530		GULSTM	LYC			CYLINDER	INCORRECT ASSY		11/7/97
		500S	IO540E1B5			7619	LT RT ENGINE		AU971507
	CYLINDERS WERE		RS(CERMICROME) B	UT DURING THE PRE			ONE CYLINDER WITH INCO RIDED CYLINDERS AND FIT		
230		PILATS	PWA	HARTZL		BOLT	BROKEN		9/24/97
		PC6BH2	PT6A20	HCB3TN3		MS97147	COMP TURBINE		AU971374
	· /		'				VANE AND TURBINE DISC C S FOR AN ENGINE OVERTE		AMAGE TO THE DISC
3500		PIPER	LYC	MCAULY	LYC	ENGINE	FAILED		11/18/97
							I TO I A C DDITE		
		PA25235	O540B2C5	1A200FA		L181964A	LT MAG DRIVE	1999	AU971472
	,		ΓΙGATION FOUND ΤΙ		IVE GEAR TO BE DA		LT MAG DRIVE RT BEARING FAILED. ROTA'		
530	,	OPPED. INITIAL INVEST	ΓΙGATION FOUND ΤΙ		IVE GEAR TO BE DA				
530	,	OPPED. INITIAL INVEST CASE GEAR TRAIN TO	TIGATION FOUND TI OPERATE.			MAGED AND THE SUPPOI	RT BEARING FAILED. ROTA		ROPELLER DID NOT
2530	CAUSE THE REAR	OPPED. INITIAL INVEST CASE GEAR TRAIN TO PIPER PA28151	TIGATION FOUND TO OPERATE. LYC O320E2D	HE LH MAGNETO DRI	LYC	MAGED AND THE SUPPOI	RT BEARING FAILED. ROTA' FAILED ENG NR 3 CYL EXH	ΓING THE P	ROPELLER DID NOT
	CAUSE THE REAR	OPPED. INITIAL INVEST CASE GEAR TRAIN TO PIPER PA28151	TIGATION FOUND TO OPERATE. LYC O320E2D	HE LH MAGNETO DRI	LYC	MAGED AND THE SUPPOI VALVE 74541	RT BEARING FAILED. ROTA' FAILED ENG NR 3 CYL EXH	ΓING THE P	ROPELLER DID NOT
	CAUSE THE REAR	OPPED. INITIAL INVEST CASE GEAR TRAIN TO PIPER PA28151 DER EXHAUST VALVE	FIGATION FOUND TO OPERATE. LYC O320E2D HEAD HAD APPROX	HE LH MAGNETO DRI	LYC NG.DAMAGE CAUSE	MAGED AND THE SUPPOI VALVE 74541 ED TO THE TOP OF THE PIS	FAILED ENG NR 3 CYL EXH STON.	ΓING THE P	9/25/97 AU971418
	CAUSE THE REAR (AUS) NO3 CYLINI	OPPED. INITIAL INVEST CASE GEAR TRAIN TO PIPER PA28151 DER EXHAUST VALVE PIPER PA31350	CIGATION FOUND TO OPERATE. LYC O320E2D HEAD HAD APPROX LYC TIO540J2BD	HE LH MAGNETO DRI IMATELY 30% MISSII HARTZL HCE3YR2	LYC NG.DAMAGE CAUSE LYC	WALVE 74541 ED TO THE TOP OF THE PIS	FAILED ENG NR 3 CYL EXH STON. CRACKED ENGINE	ΓING THE P	9/25/97 AU971418
520	CAUSE THE REAR (AUS) NO3 CYLINI	OPPED. INITIAL INVEST CASE GEAR TRAIN TO PIPER PA28151 DER EXHAUST VALVE PIPER PA31350	CIGATION FOUND TO OPERATE. LYC O320E2D HEAD HAD APPROX LYC TIO540J2BD	HE LH MAGNETO DRI IMATELY 30% MISSII HARTZL HCE3YR2	LYC NG.DAMAGE CAUSE LYC	WAGED AND THE SUPPOI VALVE 74541 ED TO THE TOP OF THE PIS CRANKCASE L789661A	FAILED ENG NR 3 CYL EXH STON. CRACKED ENGINE	ΓING THE P	9/25/97 AU971418
5520	CAUSE THE REAR (AUS) NO3 CYLINI	OPPED. INITIAL INVEST CASE GEAR TRAIN TO PIPER PA28151 DER EXHAUST VALVE PIPER PA31350 ANKCASE CRACKED. II	DIGATION FOUND TO OPERATE. LYC O320E2D HEAD HAD APPROX LYC TIO540J2BD NVESTIGATION FOL	HE LH MAGNETO DRI IMATELY 30% MISSII HARTZL HCE3YR2	LYC NG.DAMAGE CAUSE LYC	WALVE 74541 ED TO THE TOP OF THE PIS CRANKCASE L789661A MAGED CAM FOLLOWER	FAILED ENG NR 3 CYL EXH STON. CRACKED ENGINE S.	ΓING THE P	9/25/97 AU971418 11/17/97 AU971455
3520	CAUSE THE REAR (AUS) NO3 CYLINI (AUS) ENGINE CRA	OPPED. INITIAL INVEST CASE GEAR TRAIN TO PIPER PA28151 DER EXHAUST VALVE PIPER PA31350 ANKCASE CRACKED. II PIPER PA31P	CIGATION FOUND TO OPERATE. LYC O320E2D HEAD HAD APPROX LYC TIO540J2BD NVESTIGATION FOL LYC TIGO541E1A	HE LH MAGNETO DRI IMATELY 30% MISSII HARTZL HCE3YR2 LOWING ENGINE STE	LYC NG.DAMAGE CAUSE LYC RIP FOUND TWO DA	WALVE 74541 ED TO THE TOP OF THE PIS CRANKCASE L789661A MAGED CAM FOLLOWER CYLINDER	FAILED ENG NR 3 CYL EXH STON. CRACKED ENGINE S. CRACKED INLET VALVE SEAT	1664	9/25/97 AU971418 11/17/97 AU971455 6/20/97
3530 3520 3530	CAUSE THE REAR (AUS) NO3 CYLINI (AUS) ENGINE CRA	OPPED. INITIAL INVEST CASE GEAR TRAIN TO PIPER PA28151 DER EXHAUST VALVE PIPER PA31350 ANKCASE CRACKED. II PIPER PA31P	CIGATION FOUND TO OPERATE. LYC O320E2D HEAD HAD APPROX LYC TIO540J2BD NVESTIGATION FOL LYC TIGO541E1A	HE LH MAGNETO DRI IMATELY 30% MISSII HARTZL HCE3YR2 LOWING ENGINE STE	LYC NG.DAMAGE CAUSE LYC RIP FOUND TWO DA	WAGED AND THE SUPPORT VALVE 74541 ED TO THE TOP OF THE PIS CRANKCASE L789661A MAGED CAM FOLLOWER CYLINDER LW13561	FAILED ENG NR 3 CYL EXH STON. CRACKED ENGINE S. CRACKED INLET VALVE SEAT	1664	9/25/97 AU971418 11/17/97 AU971455 6/20/97
3520 3530	CAUSE THE REAR (AUS) NO3 CYLINI (AUS) ENGINE CRA	OPPED. INITIAL INVEST CASE GEAR TRAIN TO PIPER PA28151 DER EXHAUST VALVE PIPER PA31350 ANKCASE CRACKED. II PIPER PA31P LINDER CRACKED FRO	DIGATION FOUND TO OPERATE. LYC O320E2D HEAD HAD APPROXIVE LYC TIO540J2BD NVESTIGATION FOLE LYC TIGO541E1A DM INDUCTION TUB	HE LH MAGNETO DRI IMATELY 30% MISSII HARTZL HCE3YR2 LOWING ENGINE STE	LYC NG.DAMAGE CAUSE LYC RIP FOUND TWO DA	WALVE 74541 ED TO THE TOP OF THE PIS CRANKCASE L789661A MAGED CAM FOLLOWER CYLINDER LW13561 AT. CRACK LENGTH 31.75	FAILED ENG NR 3 CYL EXH STON. CRACKED ENGINE S. CRACKED INLET VALVE SEAT MM (1.25IN)	1664	9/25/97 AU971418 11/17/97 AU971455 6/20/97 AU971332
520	CAUSE THE REAR (AUS) NO3 CYLINI (AUS) ENGINE CRA (AUS) ENGINE CYLINIA	OPPED. INITIAL INVEST. CASE GEAR TRAIN TO PIPER PA28151 DER EXHAUST VALVE PIPER PA31350 ANKCASE CRACKED. II PIPER PA31P LINDER CRACKED FRO	LYC TIGO541E1A DIGGATION FOUND TO DOPERATE. LYC O320E2D HEAD HAD APPROX LYC TIO540J2BD NVESTIGATION FOL LYC TIGO541E1A DM INDUCTION TUB LYC TIGO541E1A	HE LH MAGNETO DRI IMATELY 30% MISSII HARTZL HCE3YR2 LOWING ENGINE STE	LYC NG.DAMAGE CAUSE LYC RIP FOUND TWO DA HE INLET VALVE SE	VALVE 74541 ED TO THE TOP OF THE PIS CRANKCASE L789661A MAGED CAM FOLLOWER CYLINDER LW13561 AT. CRACK LENGTH 31.75 CYLINDER	FAILED ENG NR 3 CYL EXH STON. CRACKED ENGINE S. CRACKED INLET VALVE SEAT MM (1.25IN) CRACKED INLET VALVE SEAT	1664 1017	9/25/97 AU971418 11/17/97 AU971455 6/20/97 AU971332 5/2/97

<u>INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - COMPONENTS</u>

1/18/98 - 1/24/98 ISSUE: 98-04 ZAC-327

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
3424		AIRTRC	PWA	HAMSTD		INDICATOR	DEFECTIVE		12/2/97
		AT301	R1340AN1	22D40		1394T15Y	TURN & BANK		AU971496
	(AUS) TURN AND S FAILED AD/INST8 A		ΓΥ. WHITE PAINT BE	HIND SLIP BALL IS C	CRAZED AND FLAKIN	NG. ON/OFF FLAG IS PUSH	ED BACK ONTO TURN AND SLI	P INDI	CATOR. INSTRUMENT
2310		ВЕЕСН	PWA	HARTZL		TRANSCEIVER	FAULTY		5/1/97
		200BEECH	PT6A41	HCB3TN3		KHA95	HF COMM		AU971458
	(AUS) HF RADIO SC	CRATCHY AND WEAK	ON TRANSMIT.						
3457		CESSNA	CONT	MCAULY	KING	GPS SYSTEM	FAULTY		11/24/97
		340CESSNA	TSIO520K	D2AF34C71	KC555		GLOBAL POSIT		AU971459
	(AUS) GPS INTERFA	ACE TO HSI AND AIRD	ATA SYSTEM FAULT	Y ALLOWING AIRCR	AFT TO WANDER IN	AUTOPILOT NAV MODE.			
2350		CESSNA		MCAULY		SWITCH	FAILED		10/12/97
		404CESSNA		3FF32C501		61433	PILOT PTT		AU971428
	(AUS) PILOTS PTT S	SWITCH LOCATED ON	LH CONTROL WHEE	L FAILED INTERNAI	LLY IN THE TRANSM	IIT MODE			
(End of IN	(End of INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - COMPONENTS)								

<u>INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS</u>

1/18/98 - 1/24/98	ISSUE: 98-04	ZAC-327

ATA OPER	REG. NO SERIAL NO	ACFT MAKE ACFT MODEL	ENG MAKE ENG MDL	PROP MAKE PROP MDL	COMP MFG COMP MDL	PART NAME PART NUMBER	PART COND PART LOC.	TT TSO	DIFF. DATE OPER CONT NO
6114		CHILD	LYC	HARTZL	HARTZL	BOLT	BROKEN		12/17/97
		S2APITTS	AEIO360B4A	HCC2YK4		A2433	PROP HUB		AU971568
	(AUS) WHEN THE I MISSING.	PROPELLER WAS REM	OVED DUE TO EXCE	SSIVE GREASE LEAK	AGE AT THE BLADE	E BUTTS, THE THREADED	END OF ONE HUB CLAMPING	G BOLT W	AS FOUND TO BE
6111		GULSTM	LYC	HARTZL		BLADE	CRACKED		10/7/97
		680FLP	IO720B1B	HCA3VK2			PROPELLER	473	AU971386
	(AUS) PROPELLER BLADE CRACKED. CRACK ORIGINATED FROM A NICK IN THE BLADE LOCATED APPROXIMATELY 76.2MM (3IN) FROM THE BLADE TIP.CRACK LENGTH 12.7MM (0.5IN). SUSPECT THE CRACK WAS INITIATED BY A PIECE OF METAL WIRE WHICH WAS FOUND IN THE BLADE DURING DRESSING OUT OF THE CRACK.								

(End of INTERNATIONAL SERVICE DIFFICULTY REPORT SUMMARY - PROPELLERS)



SERVICE DIFFICULTY REPORT SUMMARY GENERAL AVIATION - INDEX



The following information provides a tally of the Service Difficulty Reports (SDR's) contained in this weeks issue of the General Aviation SDR Summary. The totals represent only a summation of the SDR's that were submitted to the FAA, Aviation Data Systems Branch, AFS-620, and processed in time for inclusion in the Summary. The first table is a tally of the number of SDR's submitted through the indicated Flight Standards District Office (FSDO). The second table sorts the SDR's by the aircraft or equipment make and model. The heading at the top of each table provides a two digit Joint Aircraft System/Component (JASC) code grouping (e.g., JASC codes 1100 thru 1800 are represented by the heading labeled 11-18) which categorizes in general, the problem areas for each reported discrepancy.

The Flight Standards Service Difficulty Program objective is to achieve prompt and appropriate correction of conditions adversely affecting continued airworthiness of aeronautical products. This is accomplished by the collection of Service Difficulty and Malfunction or Defect Reports. SDR's are consolidation and collation into common data base where they are analyzed for trends, problems, and alert information. This information is then disseminated to the appropriate segments of the aviation community and to other FAA offices.

The number of SDR's submitted is not an indicator of the mechanical reliability or fitness of an air carrier's aircraft fleet and should not be used as such. The air carriers certificate holding office has the primary responsibility for planning, programming evaluations, and assessing the performance of operators. Questions regarding an air carrier's fleet performance should be directed to the appropriate Flight Standards District Office, Certificate Management Office, or Certificate Management Unit.

GENERAL AVIATION SUMMARY INDEX BY DISTRICT OFFICE

1/18/98 To 1/24/98 ISSUE: 98-04 ZAC-327

DISTRICT OFFICE	11-18	21-29	SDR TOTA 30-38	LS BY FAA A 45-49	TA SYSTEM 51-57	CHAPTER 61-67	71-79	80-85	TOTAL
AL 01	0	0	0	0	0	0	1	0	1
AU S	0	26	26	0	32	8	24	14	130
CE 07	0	1	0	0	0	0	0	1	2
CE 09	0	0	1	0	0	0	0	0	1
EA 13	0	1	0	0	0	1	1	0	3
EA 21	0	0	0	0	0	1	0	1	2
FS 01	0	0	1	0	0	2	1	0	4
GL 03	0	0	0	0	0	48	0	0	48
GL 09	0	0	1	0	0	0	0	0	1
GL 23	0	1	0	0	0	0	0	0	1
GL 25	0	0	0	0	1	0	0	0	1
NE 01	0	0	0	0	0	0	0	1	1
NM 09	0	0	0	0	0	0	1	0	1
NM 11	0	0	0	0	2	0	0	0	2
SO 03	0	0	1	0	0	0	0	0	1
SO 05	0	1	0	0	0	0	0	0	1
SW 03	0	22	21	0	3	67	22	0	135
SW 05	0	5	2	0	0	6	5	0	18
SW 99	0	0	1	0	0	0	0	0	1
WP 05	0	0	0	0	0	0	0	1	1
TOTALS	0	57	54	0	38	133	55	18	355

GENERAL AVIATION SUMMARY INDEX by MANUFACTURER MAKE and MODEL

1/18/98 To 1/24/98 ISSUE: 98-04 ZAC-327

AIRCRAFT	AIRCRAFT					TA SYSTEM (
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
AEROSP	AS355F	0	0	0	0	0	2	0	0	2
AEROSP	AS355F1	0	0	0	0	1	0	1	0	2
AEROSP	SA315B	0	0	0	0	0	1	0	0	1
AEROSP	SA365C	0	0	0	0	1	0	0	0	1
AIRTRC	AT301	0	5	1	0	0	0	0	0	6
AMTR	SEAREY	0	0	1	0	0	0	0	0	1
AYRES	S2RT15NORMAL	0	0	0	0	0	0	1	0	1
ВЕЕСН	100BEECH	0	0	0	0	0	5	0	0	5
BEECH	18S	0	0	0	0	0	1	0	0	1
BEECH	200BEECH	0	0	1	0	0	0	0	0	1
BEECH	200BEECH	0	4	1	0	0	1	2	0	8
BEECH	200CBEECH	0	1	0	0	0	0	0	0	1
BEECH	35C33	0	0	0	0	0	0	1	0	1
BEECH	58	0	0	2	0	2	0	0	0	4
BEECH	76	0	1	0	0	0	0	0	0	1
BEECH	95B55	0	0	0	0	0	1	0	0	1
BEECH	95C55	0	0	0	0	0	0	0	1	1
BEECH	A23	0	0	0	0	3	0	1	0	4
BEECH	A36	0	0	0	0	1	0	0	1	2
BEECH	B200C	0	0	2	0	1	0	0	0	3
BEECH	C90	0	0	0	0	0	1	0	0	1
BEECH	D55	0	0	0	0	0	1	0	0	1
BEECH	F33A	0	0	2	0	0	0	0	0	2
BELL	206B	0	1	0	0	0	1	1	0	3
BELL	206B3	0	1	0	0	0	0	1	0	2
BELL	206B3	0	0	0	0	0	1	0	0	1
BELL	206L	0	0	0	0	1	0	0	0	1
-			~	-	~	=	-	-	-	-

AIRCRAFT	AIRCRAFT			SDR TOTA	LS BY FAA A	TA SYSTEM	CHAPTER			
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
BELL	206L1	0	0	4	0	0	6	5	0	15
BELL	206L1	0	0	0	0	0	10	0	0	10
BELL	206L3	0	1	1	0	1	3	4	0	10
BELL	206L3	0	0	0	0	0	4	0	0	4
BELL	212	0	2	1	0	0	0	0	0	3
BELL	212	0	0	1	0	0	1	2	0	4
BELL	214ST	0	5	1	0	1	0	1	0	8
BELL	222	0	1	0	0	0	0	0	0	1
BELL	222U	0	0	0	0	0	0	1	0	1
BELL	230	0	1	0	0	0	3	0	0	4
BELL	407	0	0	0	0	0	1	1	0	2
BELL	407	0	0	0	0	0	13	0	0	13
BELL	412	0	2	5	0	1	9	5	0	22
BELL	412	0	0	0	0	1	1	1	0	3
BELL	47G3B	0	0	0	0	0	1	0	1	2
BELL	47G3B1	0	0	0	0	0	1	0	0	1
BELL	47J2A	0	0	0	0	0	0	0	1	1
SNORM	BN2A26	0	1	1	0	7	0	0	0	9
NORM	BN2A3	0	0	0	0	0	1	0	0	1
NORM	BN2B26	0	0	0	0	0	0	0	1	1
OLKMS	BK117A3	0	0	0	0	0	1	0	0	1
OLKMS	BK117A3	0	1	1	0	0	0	3	0	5
OLKMS	BK117B1	0	1	0	0	0	0	0	0	1
OLKMS	BK117B1	0	1	0	0	0	2	1	0	4
OLKMS	BK117B2	0	0	0	0	0	1	0	0	1
OLKMS	BK117C1	0	1	1	0	0	1	0	0	3

BO105S

BOLKMS

AIRCRAFT	AIRCRAFT			SDR TOTA	I S RV FAA A	TA SYSTEM	CHAPTER			
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
BOLKMS	BO105S	0	0	0	0	0	0	1	0	1
CAMRON	A315	0	0	0	0	1	0	0	0	1
CESSNA	150G	0	0	0	0	0	0	0	1	1
CESSNA	150M	0	1	0	0	0	0	0	0	1
CESSNA	152	0	0	0	0	0	0	0	2	2
CESSNA	172	0	0	0	0	0	1	0	0	1
CESSNA	172RG	0	0	0	0	1	1	0	0	2
CESSNA	175	0	0	0	0	0	0	0	1	1
CESSNA	175A	0	0	0	0	0	0	1	0	1
CESSNA	177	0	0	0	0	0	1	0	0	1
CESSNA	177RG	0	0	2	0	0	0	1	0	3
CESSNA	182	0	0	0	0	0	2	0	0	2
CESSNA	182A	0	0	1	0	0	0	0	0	1
CESSNA	182H	0	1	0	0	0	0	0	0	1
CESSNA	182P	0	1	0	0	1	0	0	0	2
CESSNA	182Q	0	0	0	0	1	0	0	0	1
CESSNA	208	0	0	0	0	0	2	0	0	2
CESSNA	208B	0	0	1	0	0	0	0	0	1
CESSNA	210	0	0	0	0	0	1	0	0	1
CESSNA	210M	0	0	0	0	0	1	0	0	1
CESSNA	210N	0	0	1	0	0	0	0	0	1
CESSNA	310	0	0	1	0	0	3	0	0	4
CESSNA	310L	0	0	0	0	0	1	0	0	1
CESSNA	310Q	0	0	0	0	0	1	0	0	1
CESSNA	310R	0	0	4	0	0	3	0	0	7
CESSNA	340CESSNA	0	0	1	0	0	1	0	0	2
CESSNA	402B	0	0	2	0	0	3	0	0	5

GENERAL AV	IATION SUMMARY IND	<u>1/18/98 Te</u>	1/18/98 To 1/24/98 ISSUE: 98-04 ZAC-327							
AIRCRAFT	AIRCRAFT	11 10	21.20		LS BY FAA A			71 7 0	00.05	TOTAL
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
CESSNA	402C	0	1	0	0	0	0	0	0	1
CESSNA	404CESSNA	0	1	1	0	0	0	1	0	3
CESSNA	414	0	0	0	0	0	1	0	0	1
CESSNA	414A	0	1	0	0	0	0	0	0	1
CESSNA	421	0	0	0	0	0	3	0	0	3
CESSNA	441	0	1	0	0	1	0	0	0	2
CESSNA	550	0	0	1	0	1	0	0	0	2
CESSNA	A185F	0	0	1	0	0	0	0	0	1
CESSNA	P206A	0	0	0	0	0	1	0	0	1
CESSNA	P206B	0	0	0	0	0	2	0	0	2
CESSNA	T210N	0	0	0	0	0	1	0	0	1
CESSNA	T303	0	0	0	0	0	2	0	0	2
CESSNA	U206G	0	1	0	0	0	0	0	0	1
CHILD	S2APITTS	0	0	0	0	0	1	0	0	1
DHAV	DHC1TMK10	0	0	0	0	1	0	0	0	1
DHAV	DHC3	0	0	0	0	0	0	0	1	1
DHAVXX	DH82AROBRTSN	0	0	0	0	0	0	1	0	1
EMB	EMB110P1	0	1	0	0	0	0	0	0	1
FRCHLD	24R46	0	0	0	0	0	1	0	0	1
GULSTM	500S	0	0	0	0	0	0	0	1	1
GULSTM	680FLP	0	0	0	0	0	1	0	0	1
GULSTM	690B	0	0	0	0	0	1	0	0	1
HILLER	UH12E	0	0	0	0	0	1	0	0	1
HUGHES	269C	0	0	1	0	0	0	0	0	1
HUGHES	269C	0	0	0	0	0	2	2	0	4
MTSBSI	MU2B60	0	0	0	0	1	0	0	0	1
MUDRY	CAP10B	0	0	0	0	1	0	0	0	1

AIRCRAFT	AIRCRAFT			SDR TOTA	LS BY FAA A	TA SYSTEM	CHAPTER			
MAKE	MODEL	11-18	21-29	30-38	45-49	51-57	61-67	71-79	80-85	TOTAL
PARTEN	P68B	0	6	0	0	0	0	1	0	7
PILATS	PC6BH2	0	0	0	0	0	0	1	0	1
PIPER	J3	0	0	1	0	0	0	0	0	1
PIPER	PA23150	0	0	0	0	0	2	0	0	2
PIPER	PA25235	0	0	0	0	0	0	0	1	1
PIPER	PA28151	0	0	1	0	0	0	0	1	2
PIPER	PA28161	0	0	0	0	0	0	1	1	2
PIPER	PA28180	0	0	0	0	0	0	1	0	1
PIPER	PA28235	0	0	0	0	1	0	0	0	1
PIPER	PA30	0	0	0	0	0	1	0	0	1
PIPER	PA31	0	0	0	0	0	0	3	0	3
PIPER	PA31350	0	0	0	0	0	0	0	1	1
PIPER	PA31350	0	2	1	0	1	0	4	1	9
PIPER	PA31P	0	0	0	0	0	1	0	2	3
PIPER	PA31T1	0	0	0	0	0	1	0	0	1
PIPER	PA34200	0	0	0	0	2	0	0	0	2
PIPER	PA42	0	0	1	0	0	0	0	0	1
PIPER	PA60600	0	0	0	0	0	0	1	0	1
ROBSIN	R22BETA	0	0	0	0	3	0	0	0	3
ROBSIN	R22MARINER	0	0	0	0	1	0	0	0	1
SKRSKY	S76	0	1	0	0	0	1	0	0	2
SKRSKY	S76A	0	4	4	0	0	3	1	0	12
SKRSKY	S76A	0	0	0	0	0	4	1	0	5
SNIAS	AS350D	0	1	0	0	0	0	0	0	1

(End of AIR CARRIER SUMMARY INDEX by OPERATOR Report)

TOTALS

JOINT AIRCRAFT SYSTEM/COMPONENT CODE TABLE

PREFACE

The Joint Aircraft System/Component (JASC) Code Table is a modified version of the Air Transport Association of America (ATA), Specification 100 code. It was developed by the Federal Aviation Administration's (FAA), Aviation Data Systems Branch (AFS-620). Technical support was provided by the Galaxy Scientific Corporation, and various representatives of the air carrier and general aviation community.

Over the past four years, the JASC format of the ATA Spec 100 code has gained widespread industry acceptance. In a harmonized effort, the FAA's counterparts in Australia and Canada have adopted the JASC code with only a few exceptions. Some Canadian aircraft manufacturers have also recently adopted this new stardard.

This code table is constructed by using the new JASC four (4) digit code, along with an abbreviated code title. The abbreviated titles have been modified in some cases to clarify the intended use of the accompanying code. This table can be used as a quick reference chart, to assist in the coding and review of aircraft structures or systems data (i.e., Service Difficulty Report (SDR), Accident/Incident Report).

The current coding scheme used in the JASC code was introduced in May 1991, for the technical classification of SDR's. Its predecessor, the FAA aircraft system/component code, was a similar but more complex eight-digit code which was developed over 25 years ago. It was constructed around the computer technology of that period. It consisted of a four digit numerical code plus a four alpha character code to make data retrieval possible. Since that time, computer technology has advanced many fold. Reducing the code from eight to four characters simplifies coding, and in some cases, makes JASC coding match the ATA Specification 100 first three digits, which are used to identify aircraft systems. The ATA code does not reference the fourth digit, so it is free to be used for identifying components.

The JASC code aircraft structural section has increased due to problems inherent with aging aircraft. As an example, FAA code 5301 SXBD was expanded to 20 items due to the high rate of reporting in this area (8021 structural reports were received in 1989). In some instances, there was very little reporting and codes were combined into other systems if the safety impact was not significant. The overall reduction in codes has been from 568 FAA codes to 488 JASC codes, with the significant increase being in the structural area as stated earlier.

The JASC code divides the engine section into two major code groups to separate the turbine and reciprocating engines. The codes for the turbine engines are in JASC Chapter 72, Turbine/Turboprop Engine. The codes for the reciprocating engines are now exclusively found in JASC Chapter 85, Reciprocating Engine.

The other major deviation from ATA Spec 100 is in ATA section 2730, specifically involves the stall warning system. Early technology (primarily on smaller aircraft) directly linked the sensing of flight attitude to one of the components which furnished the means of manually controlling the flight attitude characteristics (elevator). Today, most large transport category aircraft utilize electronic units to sense the change in the environmental condition called stall, and use the data to influence navigation. ATA section 3410, Flight Environment Data, includes high speed warning in its code definition. Stall warning (low speed) is the reciprocal term of high speed warning, so its filing under the same code appears more logical. Thus, with the JASC code it was decided to move the stall warning system to Chapter 34 under the separate code JASC code 3418, Stall Warning System.

The FAA is continuing to pursue worldwide involvement from operators and manufacturers in addressing the need for international standardization of aircraft system/component codes. The ultimate goal is to develop a universal aircraft/component numbering standard which can be used in the manufacturer's maintenance manual, wiring diagram manual, system manuals and illustrated parts catalog. This harmonized standard must be a usable standard for the aircraft manufacturers, air carrier operators and the general aviation community.

We welcome comments and feedback regarding the possible forming of working groups to achieve this long range consideration of possibly harmonizing the ATA Specification 100 code and the JASC code. Comments may be directed to the FAA, Aviation Data Sytem Branch, AFS-620, P.O. Box 25082, Oklahoma City, OK 73125.

JOINT AIRCRAFT SYSTEM/COMPONENT CODE TABLE

JASC/ TITLE

2170 HUMIDITY CONTROL SYSTEM

11 PLACARDS AND	MARKINGS 22	AUTO FLIGHT	24 E	LECTRICAL POWER CONT'D
1100 PLACARDS AND N	MARKINGS 2200	AUTO FLIGHT SYSTEM	2424	AC REGULATOR
	2210		2425	AC INDICATING SYSTEM
12 SERVICING	2211	AUTOPILOT COMPUTER	2430	DC GENERATING SYSTEM
<u> 12 021(11011(0</u>	2212	ALTITUDE CONTROLLER	2431	BATTERY OVERHEAT WARN. SYSTEM
1010 5050 0500000	2213	FLIGHT CONTROLLER	2432	BATTERY/CHARGER SYSTEM
1210 FUEL SERVICING	2214	AUTOPILOT TRIM INDICATOR	2433	DC RECTIFIER-CONVERTER
1220 OIL SERVICING	2215	AUTOPILOT MAIN SERVO	2434	DC GENERATOR-ALTERNATOR
1230 HYDRAULIC FLUID	2216	AUTOPILOT TRIM SERVO	2435	STARTER-GENERATOR
1240 COOLANT SERVIC	ING 2220	SPEED-ATTITUDE CORRECT. SYSTEM	2436	DC REGULATOR
40 HELICOPTED VIDE	2230	AUTO THROTTLE SYSTEM	2437	DC INDICATING SYSTEM
18 HELICOPTER VIBE	2250	A ERODYNAMIC LOAD ALLEVIATING	2440	EXTERNAL POWER SYSTEM
1800 HELICOPTER VIB/I	NOISE ANALYSIS		2450	AC POWER DISTRIBUTION SYSTEM
1810 HELICOPTER VIBR	ATION ANALYSIS 23	COMMUNICATIONS	2460	DC POWER/DISTRIBUTION SYSTEM
1820 HELICOPTER NOIS	E ANALYSIS			
24 AIR CONDITIONIA	2300		<u> 25 E</u>	QUIPM ENT/FURNISHINGS
21 AIR CONDITIONIN			0500	CARIN FOURMENT/FURNIOUS
2100 AIR CONDITIONIN	G SYSTEM 2311	UHF COMMUNICATION SYSTEM	2500	CABIN EQUIPMENT/FURNISHINGS
2110 CABIN COMPRESS	2312	VHF COMMUNICATION SYSTEM	2510	FLIGHT COMPARTMENT EQUIPMENT
2120 AIR DISTRIBUTION	2220	DATA TRANSMISSION AUTO CALL	2520	PASSENGER COMPARTMENT EQUIPMENT
2121 AIR DISTRIBUTION	2330	ENTERTAINMENT SYSTEM	2530	BUFFET/GALLEYS
	CONTROL SYSTEM 2340	INTERPHONE & PA SYSTEM	2540	LAVATORIES
2131 CABIN PRESSURE	2250	AUDIO INTEGRATING SYSTEM	2550	CARGO COMPARTMENTS
2132 CABIN PRESSURE	2260	STATIC DISCHARGE SYSTEM	2551	AGRICULTURAL SPRAY SYSTEM
	/OUTFLOW VALVE 2370	AUDIO/VIDEO MONITORING	2560	EMERGENCY EQUIPMENT
2134 CABIN PRESSURE		ELECTRICAL POWER	2561	LIFE JACKET
2140 HEATING SYSTEM	- · · ·	<u> LEEGTRIOAL TOWER</u>	2562	EMERGENCY LOCATOR BEACON
2150 CABIN COOLING S		ELECTRICAL POWER SYSTEM	2563	PARACHUTE
	URE CONTROL SYSTEM 2410	ALTERNATOR-GENERATOR DRIVE	2564	LIFE RAFT
	URE CONTROLLER 2420		2565	ESCAPE SLIDE
2162 CABIN TEMPERAT			2570	ACCESSORY COMPARTMENT
2163 CABIN TEMPERAT	****		2571	BATTERY BOX STRUCTURE
	0112 02110011		2572	ELECTRONIC SHELF SECTION

2423 PHASE ADAPTER

26 FIRE PROTECTION	29 F	HYDRAULIC POWER	<u>32 L</u>	ANDING GEAR
2600 FIRE PROTECTION SYSTEM	2900	HYDRAULIC POWER SYSTEM	3200	LANDING GEAR SYSTEM
2610 DETECTION SYSTEM	2910	HYDRAULIC, MAIN SYSTEM	3201	LANDING GEAR/WHEEL FAIRING
2611 SMOKE DETECTION	2911	HYDRAULIC POWER-ACCUMULATOR-MAIN	3210	MAIN LANDING GEAR
2612 FIRE DETECTION	2912	HYDRAULIC FILTER-MAIN SYSTEM	3211	MAIN LANDING GEAR ATTACH SECTION
2613 OVERHEAT DETECTION	2913	HYDRAULIC PUMP. ELECT-ENGMAIN	3212	EMERGENCY FLOTATION SECTION
2620 EXTINGUISHING SYSTEM	2914	HYDRAULIC HANDPUMP-MAIN	3213	MAIN LANDING GEAR STRUT/AXLE/TRUCK
2621 FIRE BOTTLE, FIXED	2915	HYDRAULIC PRESSURE RELIEF VLV-MAIN	3220	NOSE/TAIL LANDING GEAR
2622 FIRE BOTTLE, PORTABLE	2916	HYDRAULIC RESERVOIR-MAIN	3221	NOSE/TAIL LANDING GEAR ATTACH SECTION
AZ FILOUT CONTROLO	2917	HYDRAULIC PRESSURE REGULATOR-MAIN	3222	NOSE/TAIL LANDING GEAR STRUT/AXLE
27 FLIGHT CONTROLS	2920	HYDRAULIC, AUXILIARY SYSTEM	3230	LANDING GEAR RETRACT/EXT. SYSTEM
2700 FLIGHT CONTROL SYSTEM	2921	HYDRAULIC ACCUMULATOR-AUXILIARY	3231	LANDING GEAR DOOR RETRACT SECTION
2701 CONTROL COLUMN SECTION	2922	HYDRAULIC FILTER-AUXILIARY	3232	LANDING GEAR DOOR ACTUATOR
2710 AILERON CONTROL SYSTEM	2923	HYDRAULIC PUMP-AUXILIARY	3233	LANDING GEAR ACTUATOR
2711 AILERON TAB CONTROL SYSTEM	2925	HYDRAULIC PRESSURE RELIEF-AUXILIARY	3234	LANDING GEAR SELECTOR
2720 RUDDER CONTROL SYSTEM	2926	HYDRAULIC RESERVOIR-AUXILIARY	3240	LANDING GEAR BRAKE SYSTEM
2721 RUDDER TAB CONTROL SYSTEM	2927	HYDRAULIC PRESSURE REGULATOR-AUX.	3241	BRAKE ANTI-SKID SECTION
2722 RUDDER ACTUATOR	2930	HYDRAULIC SYSTEM INDICATING	3242	BRAKE
2730 ELEVATOR CONTROL SYSTEM	2931	HYDRAULIC PRESSURE INDICATOR	3243	MASTER CYL/BRAKE VALVE
2731 ELEVATOR TAB CONTROL SYSTEM	2932	HYDRAULIC PRESSURE SENSOR	3244	TIRE
2740 STABILIZER CONTROL SYSTEM	2933	HYDRAULIC QUANTITY INDICATOR	3245	TIRE TUBE
2741 STABILIZER POSITION INDICATING	2934	HYDRAULIC QUANTITY SENSOR	3246	WHEEL/SKI/FLOAT
2742 STABILIZER ACTUATOR	30 I	CE AND RAIN PROTECTION	3250	LANDING GEAR STEERING SYSTEM
2750 TE FLAP CONTROL SYSTEM			3251	STEERING UNIT
2751 TE FLAP POSITION IND. SYSTEM	3000	ICE/RAIN PROTECTION SYSTEM	3252	SHIMMY DAMPER
2752 TE FLAP ACTUATOR	3010	AIRFOIL ANTI/DE-ICE SYSTEM	3260	LANDING GEAR POSITION & WARNING
2760 DRAG CONTROL SYSTEM	3020	AIR INTAKE ANTI/DE-ICE SYSTEM	3270	AUXILIARY GEAR (TAIL SKID)
2761 DRAG CONTROL ACTUATOR	3030	PITOT/STATIC ANTI-ICE SYSTEM	33 I	<u>IGHTS</u>
2770 GUST LOCK/DAMPER SYSTEM	3040	WINDSHIELD/DOOR RAIN/ICE REMOVAL		
2780 LE FLAP CONTROL SYSTEM	3050	ANTENNA/RADOME ANTI-ICE/DE-ICE SYSTEM	3300	LIGHTING SYSTEM
2781 LE FLAP POSITION IND. SYSTEM	3060	PROP/ROTOR ANTI-ICE/DE-ICE SYSTEM	3310	FLIGHT COMPARTMENT LIGHTING
2782 LE FLAP ACTUATOR	3070	WATER LINE ANTI-ICE SYSTEM	3320	PASSENGER COMPARTMENT LIGHTING
28 FUEL	3080	ICE DETECTION	3330	CARGO COMPARTMENT LIGHTING
2800 AIRCRAFT FUEL SYSTEM	<u>31 I</u>	<u>NSTRUMENTS</u>	3340 3350	EXTERIOR LIGHTING EMERGENCY LIGHTING
2810 FUEL STORAGE	3100	INDICATING/RECORDING SYSTEM		
2820 ACFT FUEL DISTRIB. SYSTEM	3110	INSTRUMENT PANEL	<u>34 N</u>	AVIGATION
2821 ACFT FUEL FILTER/STRAINER	3120	INDEPENDENT INSTRUMENTS (CLOCK, ETC.)	3400	NAVIGATION SYSTEM
2822 FUEL BOOST PUMP	3130	DATA RECORDERS (FLT/MAINT)	3410	FLIGHT ENVIRONMENT DATA
2823 FUEL SELECTOR/SHUTOFF VALVE	3140	CENTRAL COMPUTERS (EICAS)	3411	PITOT/STATIC SYSTEM
2824 FUEL TRANSFER VALVE	3150	CENTRAL WARNING	3412	OUTSIDE AIR TEMP. IND./SENSOR
2830 FUEL DUMP SYSTEM	3160	CENTRAL DISPLAY	3413	RATE OF CLIMB INDICATOR
2840 ACFT FUEL INDICATING	3170	AUTOMATIC DATA	3414	AIRSPEED/MACH INDICATING
2841 FUEL QUANTITY INDICATOR			3415	HIGH SPEED WARNING
2842 FUEL QUANTITY SENSOR			3416	ALTIMETER, BAROMETRIC/ENCODER
2843 FUEL TEMPERATURE INDICATING				

2844 FUEL PRESSURE INDICATOR

34 NAVIGATION CONT'D	37 VACUUM	5247 APU DOORS
3417 AIR DATA COMPUTER	3700 VACUUM SYSTEM	5248 TAIL CONE DOORS
3418 STALL WARNING SYSTEM	3710 VACUUM DISTRIBUTION SYSTEM	5250 FIXED INNER DOORS
3420 ATTITUDE AND DIRECTION DAT	A SYSTEM 3720 VACUUM INDICATING SYSTEM	5260 ENTRANCE STAIRS
3421 ATTITUDE GYRO & IND. SYSTEM	1	5270 DOOR WARNING SYSTEM
3422 DIRECTIONAL GYRO & IND. SYS	38 WAIER/WASIE	5280 LANDING GEAR DOORS
3423 MAGNETIC COMPASS	3800 WATER & WASTE SYSTEM	53 FUSELAGE
3424 TURN & BANK/RATE OF TURN II	NDICATOR 3810 POTABLE WATER SYSTEM	5300 FUSELAGE STRUCTURE (GENERAL)
3425 INTEGRATED FLT. DIRECTOR SY	STEM 3820 WASH WATER SYSTEM	5301 AERIAL TOW EQUIPMENT
3430 LANDING & TAXI AIDS	3830 WASTE DISPOSAL SYSTEM	5302 ROTORCRAFT TAIL BOOM
3431 LOCALIZER/VOR SYSTEM	3840 AIR SUPPLY (WATER PRESS. SYSTEM	M) 5310 FUSELAGE MAIN STRUCTURE
3432 GLIDE SLOPE SYSTEM 3433 MICROWAVE LANDING SYSTEM	45 CENTRAL MAINT. SYSTEM	5311 FUSELAGE MAIN FRAME 5312 FUSELAGE MAIN BULKHEAD
3434 MARKER BEACON SYSTEM	4500 CENTRAL MAINT. COMPUTER	5312 FUSELAGE MAIN BULKHEAD 5313 FUSELAGE MAIN LONGERON/STRINGER
3435 HEADS UP DISPLAY SYSTEM	OENTINE MINISTER	5314 FUSELAGE MAIN KEEL
3436 WIND SHEAR DETECTION SYSTI	49 AIRBORNE AUXILIARY POWER	5314 FUSELAGE MAIN REEL 5315 FUSELAGE MAIN FLOOR BEAM
3440 INDEPENDENT POS. DETERMINI	NO CYCTEM	5320 FUSELAGE MISCELLANEOUS STRUCTURE
3441 INERTIAL GUIDANCE SYSTEM	4900 AINBONNE AFO STSTEM	5321 FUSELAGE FLOOR PANEL
3442 WEATHER RADAR SYSTEM	4910 A PU COW LING/CONTAINMENT	5322 FUSELAGE INTERNAL MOUNT STRUCTURE
3443 DOPPLER SYSTEM	4920 APU CORE ENGINE	5323 FUSELAGE INTERNAL STAIRS
3444 GROUND PROXIMITY SYSTEM	4930 A PU ENGINE FUEL & CONTROL	5324 FUSELAGE FIXED PARTITIONS
3445 AIR COLLISION AVOIDANCE SY	4940 A PU START/IGNITION SYSTEM STEM (TCAS) 4950 A PU BLEED AIR SYSTEM	5330 FUSELAGE MAIN PLATE/SKIN
3446 NON RADAR WEATHER SYSTEM	4930 AFO BEEED AIR STOTEM	5340 FUSELAGE MAIN ATTACH FITTINGS
3450 DEPENDENT POSITION DETERM	NINC SYSTEM 4900 AFO CONTROLS	5341 WING ATTACH FITTINGS (ON FUSELAGE)
3451 DME/TACAN SYSTEM	4970 APO INDICATING SYSTEM	5342 STABILIZER ATTACH FITTINGS
3452 ATC TRANSPONDER SYSTEM		5343 LANDING GEAR ATTACH FITTINGS
3453 LORAN SYSTEM	4990 APU OIL SYSTEM	5344 FUSELAGE DOOR HINGES
3454 VOR SYSTEM	51 STANDARD PRACTICES/STRUCT	
3455 ADF SYSTEM		5346 DOWEDDIANT ATTACH FITTINGS
3456 OMEGA NAVIGATION SYSTEM	5100 STANDARD PRACTICES/STRUCTURE	5347 SEAT/CARGO ATTACH FITTINGS
3457 GLOBAL POSITIONING SYSTEM	5101 AIRCRAFT STRUCTURES	5350 FUSELAGE AERODYNAMIC FAIRINGS
3460 FLIGHT MANAGE. COMPUTING	SYSTEM 5102 BALLOON REPORTS	54 NACELLES/PYLONS
25 OVVCEN	52 DOORS	
35 OXYGEN	<u>52 DOORS</u>	5400 NACELLE/PYLON STRUCTURE
3500 OXYGEN SYSTEM	5200 DOORS	5410 MAIN FRAME (ON NACELLE/PYLON)
3510 CREW OXYGEN SYSTEM	5210 PASSENGER/CREW DOORS	5411 FRAME/SPAR/RIB(NACELLE/PYLON)
3520 PASSENGER OXYGEN SYSTEM	5220 EMERGENCY EXIT	5412 BULKHEAD/FIREWALL (NAC/PYLON)
3530 PORTABLE OXYGEN SYSTEM	5230 CARGO/BAGGAGE DOORS	5413 LONGERON/STRINGER (NAC/PYLON)
36 PNEUMATIC	5240 SERVICE DOORS	5414 PLATE SKIN (NAC/PYLONS)
	5241 GALLEY DOORS	5415 ATTACH FITTINGS (NAC/PYLON)
3600 PNEUMATIC SYSTEM	5242 F/E COMPARTMENT DOORS	<u>55 STABILIZERS</u>
3610 PNEUMATIC DISTRIBUTION SYS	TEM 5243 HYDRAULIC COMPARTMENT DOORS	5500 EMPENNAGE STRUCTURE
3620 PNEUMATIC INDICATING SYSTE	M 5244 ACCESSORY COMPARTMENT DOORS	
	5245 AIR CONDITIONING COMPART. DOOR	RS 5511 HORIZONTAL STABILIZER SPAR/RIB
	5246 FLUID SERVICE DOORS	5512 HORIZONTAL STABILIZER PLATE/SKIN
		5513 HORIZONTAL STABILIZER TAB STRUCTURE
		5520 ELEVATOR STRUCTURE

55 STABILIZERS CONT'D	61 PROPELLERS/PROPULSORS	67 ROTORS FLIGHT CONTROL
5521 ELEVATOR SPAR/RIB STRUCTURE	6100 PROPELLER SYSTEM	6700 ROTORCRAFT FLIGHT CONTROL
5522 ELEVATOR PLATES/SKIN STRUCTURE	6110 PROPELLER ASSEMBLY	6710 MAIN ROTOR CONTROL
5523 ELEVATOR TAB STRUCTURE	6111 PROPELLER BLADE SECTION	6711 TILT ROTOR FLIGHT CONTROL
5530 VERTICAL STABILIZER STRUCTURE	6112 PROPELLER DE-ICE BOOT SECTION	6720 TAIL ROTOR CONTROL SYSTEM
5531 VERTICAL STABILIZER SPAR/RIB STRUCTURE	6113 PROPELLER SPINNER SECTION	6730 ROTORCRAFT SERVO SYSTEM
5532 VERTICAL STABILIZER PLATES/SKIN	6114 PROPELLER HUB SECTION	
5533 VENTRAL STRUCTURE (ON VERT. STAB)	6120 PROPELLER CONTROL SYSTEM	71 POWERPLANT
5540 RUDDER STRUCTURE	6121 PROPELLER SYNCHRONIZER SECTION	7100 POWERPLANT SYSTEM
5541 RUDDER SPAR/RIB STRUCTURE	6122 PROPELLER GOVERNOR	7110 ENGINE COWLING SYSTEM
5542 RUDDER PLATE/SKIN STRUCTURE	6123 PROPELLER FEATHERING/REVERSING	7111 COWL FLAP SYSTEM
5543 RUDDER TAB STRUCTURE	6130 PROPELLER BRAKING	7112 ENGINE AIR BAFFLE SECTION
5550 EMPENNAGE FLT. CONT. ATTACH FITTING	6140 PROPELLER INDICATING SYSTEM	7120 ENGINE MOUNT SECTION
5551 HORIZONTAL STABILIZER ATTACH FITTING		7130 ENGINE FIRESEALS
5552 ELEVATOR/TAB ATTACH FITTINGS	62 MAIN ROTOR	7160 ENGINE AIR INTAKE SYSTEM
5553 VERT. STAB. ATTACH FITTINGS	6200 MAIN ROTOR SYSTEM	7170 ENGINE DRAINS
5554 RUDDER/TAB ATTACH FITTINGS	6210 MAIN ROTOR BLADES	
	6220 MAIN ROTOR HEAD	72 TURBINE/TURBOPROP ENGINE
56 WINDOWS	6230 MAIN ROTOR MAST/SWASHPLATE	7200 ENGINE (TURBINE/TURBOPROP)
5600 WINDOW/WINDSHIELD SYSTEM	6240 MAIN ROTOR INDICATING SYSTEM	7210 TURBINE ENGINE REDUCTION GEAR
5610 FLIGHT COMPARTMENT WINDOWS		7220 TURBINE ENGINE AIR INLET SECTION
5620 PASSENGER COMPARTMENT WINDOWS	63 MAIN ROTOR DRIVE	7230 TURBINE ENGINE COMPRESSOR SECTION
5630 DOOR WINDOWS	6300 MAIN ROTOR DRIVE SYSTEM	7240 TURBINE ENGINE COMBUSTION SECTION
5640 INSPECTION WINDOWS	6310 ENGINE/TRANSMISSION COUPLING	7250 TURBINE SECTION
3040 MOI EOTION WINDOWS	6320 MAIN ROTOR GEARBOX	7260 TURBINE ENGINE ACCESSORY DRIVE
57 WINGS	6321 MAIN ROTOR BRAKE	7261 TURBINE ENGINE OIL SYSTEM
5700 WING STRUCTURE	6322 ROTORCRAFT COOLING FAN SYSTEM	7270 TURBINE ENGINE BYPASS SECTION
5710 WING MAIN FRAME STRUCTURE	6330 MAIN ROTOR TRANSMISSION MOUNT	
5711 WING SPAR STRUCTURE	6340 ROTOR DRIVE INDICATING SYSTEM	73 ENGINE FUEL & CONTROL
5712 WING STAR STRUCTURE		7300 ENGINE FUEL & CONTROL
5713 WING KID STRUCTURE 5713 WING LONGERON/STRINGER	64 TAIL ROTOR	7310 ENGINE FUEL DISTRIBUTION
5714 WING CENTER BOX	6400 TAIL ROTOR SYSTEM	7311 ENGINE FUEL-OIL COOLER
5720 WING MISCELLANEOUS STRUCTURE	6410 TAIL ROTOR BLADE	7312 FUEL HEATER
5730 WING PLATES/SKINS	6420 TAIL ROTOR HEAD	7313 FUEL INJECTOR NOZZLE
5740 WING ATTACH FITTINGS	6440 TAIL ROTOR INDICATING SYSTEM	7314 ENGINE FUEL PUMP
5741 WING, FUSELAGE ATTACH FITTINGS		7320 FUEL CONTROLLING SYSTEM
5742 WING, NAC/PYLON ATTACH FITTINGS	65 TAIL ROTOR DRIVE	7321 FUEL CONTROL/ELECTRONIC
5743 WING, LANDING GEAR ATTACH FITTINGS		7322 FUEL CONTROL/CARBURETOR
5744 CONTROL SURFACE ATTACH FITTINGS	6500 TAIL ROTOR DRIVE SYSTEM	7323 TURBINE GOVERNOR
5750 WING CONTROL SURFACE STRUCTURE	6510 TAIL ROTOR DRIVE SHAFT	7324 FUEL DIVIDER
5751 AILERON STRUCTURE	6520 TAIL ROTOR GEARBOX	7330 ENGINE FUEL INDICATING SYSTEM
5751 AILERON STRUCTURE	6540 TAIL ROTOR DRIVE INDICATING SYSTEM	7331 FUEL FLOW INDICATING
5753 TE FLAP STRUCTURE		7332 FUEL PRESSURE INDICATING
5754 LEADING EDGE DEVICE STRUCTURE		7333 FUEL FLOW SENSOR
5755 SPOILER STRUCTURE		7333 FUEL PRESSURE SENSOR
3733 SPUILER STRUCTURE		1007 I DEL I NEODONE DENDON

74	<u>IGNITION</u>	<u>78 E</u>	ENGINE EXHAUST	8530	RECIPROCATING ENGINE CYLINDER SECTION
7400	IGNITION SYSTEM	7800	ENGINE EXHAUST SYSTEM	8540	RECIPROCATING ENGINE REAR SECTION
7410	IGNITION POWER SUPPLY	7810	ENGINE COLLECTOR/TAILPIPE/NOZZLE	8550	RECIPROCATING ENGINE OIL SYSTEM
7411	LOW TENSION COIL	7820	ENGINE NOISE SUPPRESSOR		
7412	EXCITER	7830	THRUST REVERSER		
7413	INDUCTION VIBRATOR				
7414	MAGNETO/DISTRIBUTOR	79 I	ENGINE OIL		
7420	IGNITION HARNESS (DISTRIBUTION)	<u> </u>			
7421	SPARK PLUG/IGNITER	7900	ENGINE OIL SYSTEM (AIRFRAME)		
7430	IGNITION SWITCHING	7910	ENGINE OIL STORAGE (AIRFRAME)		
		7920	ENGINE OIL DISTRIBUTION (AIRFRAME)		
<u>75</u>	<u>AIR</u>	7921	ENGINE OIL COOLER		
7500	ENGINE BLEED AIR SYSTEM	7922	ENGINE OIL TEMP. REGULATOR		
7510	ENGINE ANTI-ICING SYSTEM	7923	OIL SHUTOFF VALVE		
7520	ENGINE COOLING SYSTEM	7930	ENGINE OIL INDICATING SYSTEM		
	COM PRESSOR BLEED CONTROL	7931	ENGINE OIL PRESSURE		
7530	COMPRESSOR BLEED CONTROL COMPRESSOR BLEED GOVERNOR	7932	ENGINE OIL QUANTITY		
7531	COMPRESSOR BLEED GOVERNOR COMPRESSOR BLEED VALVE	7933	ENGINE OIL TEMPERATURE		
7532					
7540	BLEED AIR INDICATING SYSTEM	80 9	<u>STARTING</u>		
<u>76</u>	ENGINE CONTROLS	8000	ENGINE STARTING SYSTEM		
7600	ENGINE CONTROLS	8010	ENGINE CRANKING		
7600	ENGINE CONTROLS ENGINE SYNCHRONIZING	8011	ENGINE STARTER		
7601		8012	ENGINE START VALVES/CONTROLS		
7602	MIXTURE CONTROL	0012	ENGINE OTAKT VALVEO/OONTROLO		
7603	POWER LEVER	81	TURBOCHARGING		
7620	ENGINE EMERGENCY SHUTDOWN SYSTEM		<u> </u>		
77	ENGINE INDICATING	8100	EXHAUST TURBINE SYSTEM (RECIP)		
		8110	POWER RECOVERY TURBINE (RECIP)		
7700	ENGINE INDICATING SYSTEM	8120	EXHAUST TURBOCHARGER		
7710	POWER INDICATING SYSTEM				
7711	ENGINE PRESSURE RATIO (EPR)	<u>82</u>	WATER INJECTION		
7712	ENGINE BM EP/TORQUE INDICATING	8200	WATER INJECTION SYSTEM		
7713	MANIFOLD PRESSURE (MP) INDICATING				
7714	ENGINE RPM INDICATING SYSTEM	83	ACCESSORY GEARBOXES		
7720	ENGINE TEMP. INDICATING SYSTEM	8300	ACCESSORY GEARBOXES		
7721	CYLINDER HEAD TEMP (CHT) INDICATING	0000	NOOLOGOKT GEMIDONEG		
7722	ENG. EGT/TIT INDICATING SYSTEM	8.5	RECIPROCATING ENGINE		
7730	ENGINE IGNITION ANALYZER SYSTEM				
7731	ENGINE IGNITION ANALYZER	8500	ENGINE (RECIPROCATING)		
7732	ENGINE VIBRATION ANALYZER	8510	RECIPROCATING ENGINE FRONT SECTIO		
7740	ENGINE INTEGRATED INSTRUMENT SYSTEM	8520	RECIPROCATING ENGINE POWER SECTION	N	

MECHANICS CREED

UPON MY HONOR I swear that I shall hold in sacred trust the rights and privileges conferred upon me as a certified mechanic. Knowing full well that the safety and lives of others are dependent upon my skill and judgment, I shall never knowingly subject others to risks which I would not be willing to assume for myself, or for those dear to me.

IN DISCHARGING this trust, I pledge myself never to undertake work or approve work which I feel to be beyond the limits of my knowledge; nor shall I allow any non-certificated superior to persuade me to approve aircraft or equipment as airworthy against my better judgment; nor shall I permit my judgment to be influenced by money or other personal gain; nor shall I pass as airworthy aircraft or equipment about which I am in doubt, either as a result of direct inspection or uncertainty regarding the ability of others who have worked on it to accomplish their work satisfactorily.

I REALIZE the grave responsibility which is mine as a certified airman, to exercise my judgment on the airworthiness of aircraft and equipment. I, therefore, pledge unyielding adherence to these precepts for the advancement of aviation and for the dignity of my vocation.